



December 30, 2005

California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

ATTN: MR. JIMMIE WOO

SITE: FORMER 76 STATION 0353
200 SOUTH CENTRAL AVENUE
GLENDALE, CALIFORNIA
LARWQCB FILE NO. 912040107

RE: ADDITIONAL SITE ASSESSMENT REPORT

Dear Mr. Woo:

On behalf of ConocoPhillips Company, TRC submits this additional site assessment report for former 76 Station 0353, located at 200 South Central Avenue in Glendale, California. The results of the health-based risk analysis of the site will be submitted under separate cover. The vapor extraction activities proposed at the site have been conducted and report of these activities along with confirmation boring sample results will also be presented under separate cover.

If you have any questions regarding this report or need additional information regarding this site, please call me at (949) 753-0101, or Ms. Shari London with ConocoPhillips Company at (714) 428-7720.

Sincerely,

TRC

A handwritten signature in black ink, appearing to read "John Nordenstam".

John Nordenstam, RG
Senior Project Geologist

Enclosure

cc: Ms. Shari London, ConocoPhillips Company (electronic copy only)
Mr. Peter Hayden, Caruso Affiliated (electronic copy only)
Mr. Mark Berry, Department of Development Services, City of Glendale (electronic copy only)

200948/0353R04.SSA





ADDITIONAL SITE ASSESSMENT REPORT
December 30, 2005

FORMER 76 STATION 0353
200 South Central Avenue
Glendale, California
LARWQCB FILE NO. 912040107

TRC Project No. 20-0948

Prepared For:

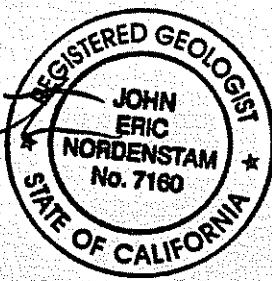
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1.0 INTRODUCTION AND OBJECTIVES

This report presents the results of additional site assessment activities conducted at former 76 Station 0353, located at 200 South Central Avenue in Glendale, California (see Figure 1). The objectives of the additional site assessment activities detailed in this report were to:

- Install groundwater monitoring wells to replace Monitoring Wells MW-1 and MW-3 which were abandoned to facilitate the removal of the gasoline USTs.
- Install 9 vapor wells to facilitate the future remediation of hydrocarbon-affected soil present beneath the site.
- Collect soil vapor samples for the purpose of conducting a health-based risk assessment for the site.

This scope of work was conducted in accordance with the TRC Remedial Action Plan dated July 11, 2005, and the TRC Notice of Intent Letter dated August 31, 2005.

The licensed professional in responsible charge supervised all work associated with the project within the purview of the professional as defined in the Geologist and Geophysicists Act of the California Code of Regulations.

2.0 SITE DESCRIPTION

Present Site Use:

The site is a former service station located on the southeast corner of South Central Avenue and West Harvard Street (see Figure 2). The site is currently a fenced, vacant lot. All former service station facilities have been removed from the site.

Future Site Use:

The City of Glendale acquired the property from ConocoPhillips through condemnation proceedings. The City of Glendale Redevelopment Agency is planning on redeveloping the site with a mix of retail and residential uses.

Adjacent Properties:

The Glendale Galleria Shopping Center is located west of the site. The properties north, east and south of the site are part of the planned redevelopment and are currently vacant.

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Geography:

The site is located within the southeastern portion of the San Fernando Valley between the eastern end of the Santa Monica Mountains (approximately 1 mile to the west of the site) and the Verdugo Mountains (approximately 1.5 miles east of the site). Interstate 5 and the Los Angeles River (in a concrete lined channel) are located approximately 1 mile west of the site. Verdugo Wash is located approximately 1 mile north of the site. The site is located at an elevation of approximately 517 feet above mean sea level (NGVD-1929). The topography in the area slopes gently to the southwest (United States Geological Survey, 1966).

Regional Geology/

Hydrogeology:

The site is located within the Upper Los Angeles River Area (ULARA). The ULARA encompasses all the watershed of the Los Angeles River and its tributaries above a point in the river designated as Los Angeles County Department of Public Works (LACDPW) Gauging Station F-57C-R, near the junction of the Los Angeles River and the Arroyo Seco. The ULARA is bounded on the north and northwest by the Santa Susana Mountains; on the north and northeast by the San Gabriel Mountains; on the east by the San Rafael Hills, which separate it from the San Gabriel Basin; on the south by the Santa Monica Mountains, which separate it from the Los Angeles Coastal Plain; and on the west by the Simi Hills (ULARA Watermaster, 2003).

The ULARA has four distinct groundwater basins. The water supplies of these basins are separate and are replenished by deep percolation from rainfall, surface runoff and from a portion of the water that is delivered for use within these basins. The four groundwater basins in the ULARA are the San Fernando, Sylmar, Verdugo, and Eagle Rock Basins (ULARA Watermaster, 2003).

The site is located within the southeastern portion of the San Fernando Basin. The San Fernando Basin is the largest of the four groundwater basins within the ULARA. It is bounded on the east and northeast by the San Rafael Hills, Verdugo Mountains, and the San Gabriel Mountains; on the north by the San Gabriel Mountains and the eroded south limb of the Little Tujunga Syncline which separates it from the Sylmar Basin; on the northwest and west by the Santa Susana Mountains and the Simi Hills; and on the south by the Santa Monica Mountains (ULARA Watermaster, 2003).

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Regional groundwater in the area of the site occurs in Quaternary alluvial deposits consisting primarily of sand and gravels with localized, interbedded lenses of silt and clay. The alluvium overlies sandstone and conglomerates of the Topanga Formation (Department of Water and Power, 1983). The regional groundwater flow in the area of the site is directed toward the southwest (ULARA Watermaster, 2003).

The site is located within the Crystal Springs Well Field. The Crystal Springs Well Field is on the Federal National Priority List (NPL) as a Federal Superfund site due to the presence of chlorinated hydrocarbons in the groundwater (City of Glendale-Water Section, 1993). Although the site is located within the Crystal Springs Well Field NPL Superfund site, the actual chlorinated solvent plume in Glendale is limited to areas along San Fernando Road and west of San Fernando Road, approximately 3,500 feet west of the site (ULARA Watermaster, 2003). A groundwater extraction and treatment facility was constructed in October 1999 to remediate contaminated groundwater within the Crystal Springs Well Field (City of Glendale-Water Section, 1993).

3.0 PREVIOUS INVESTIGATIONS

In July 1994, two 10,000-gallon gasoline underground storage tanks (USTs) and one 550-gallon waste oil UST were excavated and removed from the site. Eight soil samples (BT-1 through BT-8) were collected from the gasoline UST excavation at approximately 16 feet below grade (fbg). Two soil samples (BT-9 and BT-10) were collected from the waste oil UST excavation at approximately 9 fbg. Six soil samples (DI-1 through DI-6) were collected from beneath the former dispensers at approximately 3 fbg. Two soil samples (PL-1 and PL-2) were collected from beneath the former product lines at approximately 3 fbg (Emcon, 1996).

Concentrations of total petroleum hydrocarbons as gasoline (TPH-G) of 998 and 1,295 milligrams per kilogram (mg/kg) were detected in Soil Samples BT-4 and BT-8, respectively, collected from the eastern portion of the gasoline UST excavation. No detectable concentrations of TPH-G; total recoverable petroleum hydrocarbons (TRPH); benzene, toluene, ethylbenzene, or total xylenes (BTEX) were present in Soil Samples BT-9 and BT-10 collected from the waste oil UST excavation. A TPH-G concentration of 4,562 mg/kg was detected in Soil Sample DI-6 collected from the eastern portion of the eastern dispenser island. No detectable concentrations of TPH-G or BTEX were present in Soil Sample PL-1 collected from the beneath the product lines. Concentrations of 0.009 and 0.011 mg/kg of toluene and total xylenes, respectively, were detected

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in Soil Sample PL-2; no detectable concentrations of TPH-G, benzene, or ethylbenzene were present in this sample (Emcon, 1996).

Based on the results of laboratory analysis of soil samples collected during UST removal activities, the eastern portion of the eastern dispenser island and the eastern portion of the gasoline UST excavation were over excavated to depths of approximately 7 and 20 fbg, respectively. Two soil samples (BT-4A and BT-8A) were collected from the gasoline UST over excavation and one soil sample (DI-6A) was collected from the dispenser island over excavation. No detectable concentration of TPH-G was present in Soil Sample BT-4A. Detectable TPH-G concentrations of 683 and 3,458 mg/kg were present in Soil Samples BT-8A and DI-6A, respectively (Emcon, 1996).

Following soil sampling and over excavation activities, two 20,000-gallon gasoline USTs were installed in the same area as the former gasoline USTs (oriented north-south vs. east-west orientation of former gasoline USTs) and a 550-gallon waste oil UST was installed at the same location as the former waste oil UST (Emcon, 1996).

In March 1995, six borings (E-1 through E-6 and E-1A) were drilled in the vicinity of the gasoline USTs and the eastern dispenser island. Boring E-1 was drilled through a conductor casing installed in the eastern portion of the gasoline UST excavation. Boring E-1 was only drilled to a total depth of approximately 25 fbg due to auger refusal. Borings E-1A, E-1, and E-2 were converted to vapor extraction wells. Groundwater was not encountered during this investigation (maximum depth of investigation approximately 73.5 fbg). A maximum TPH-G concentration of 2,800 mg/kg was detected in the soil sample collected from Boring E-1 at approximately 25 fbg. A maximum TPH-G concentration of 940 mg/kg was detected in the soil sample collected from Boring E-1A at approximately 51 fbg. Concentrations of TPH-G ranging from non-detect to less than 2 mg/kg were detected in soil samples collected from Borings E-2 through E-5 (Emcon, 1996).

In April 1995, a vapor extraction test was conducted at the site using Vapor Wells E-1A, E-1, and E-2. Flow rates ranging from approximately 19.8 to 39.5 standard cubic feet per minute (scfm) and vacuum ranging from approximately 2.1 to 13 inches of water were observed during testing activities. Concentrations of TPH-G ranging from 2,700 to 19,000 parts per million by volume (ppmv) were detected in vapor samples collected from Wells E-1, E-1A, and E-2. Based on the results of the testing activities, the estimated radius of influence (ERI) ranged from approximately 28 to 32 feet (Emcon, 1996).

In May 1998, the City of Glendale Fire Department issued site closure based on the designation of the property as a "low risk" site.

In February 2004, at the request of the Glendale Redevelopment Agency, six borings (B1 through B6) and 48 direct-push borings (GP-1 through GP-48) were drilled and sampled at the site. Groundwater was encountered at approximately 105 fbg during soil sampling activities. Maximum

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TPH-G and benzene concentrations of 24,300 and 75.3 mg/kg, respectively, were detected in the soil sample collected from Boring B1 at approximately 55 fbg. A maximum methyl tertiary butyl ether (MTBE) concentration of 0.646 mg/kg was detected in the soil sample collected from Boring B4 at approximately 55 fbg. A maximum tertiary butyl alcohol (TBA) concentration of 0.181 mg/kg was detected in the soil sample collected from Boring B3 at approximately 55 fbg. In addition, four shallow (less than 10 feet deep) and two deeper (up to approximately 15 feet deep), diesel/heavy-end hydrocarbon soil plumes were detected in the southern portion of the site (EP Associates, 2004a).

In August 2004, Monitoring Wells MW-1 through MW-5 were drilled and installed. Groundwater was encountered at approximately 100 fbg during well installation activities. A maximum TPH-G concentration of 2,200 mg/kg was detected in the soil sample collected from Monitoring Well MW-3 at approximately 75 fbg. Maximum MTBE and TBA concentrations of 0.391 and 0.610 mg/kg, respectively, were detected in the soil sample collected from Monitoring Well MW-1 at approximately 55 fbg (EP Associates, 2004b).

A quarterly fluid level monitoring and groundwater sampling program was initiated in September 2004 and continues to date.

In December 2004, Monitoring Wells MW-6 through MW-9 were drilled and installed. Groundwater was encountered at approximately 102.5 to 105 fbg during well installation activities. One soil sample was collected from each monitoring well at approximately 105 fbg. No detectable concentrations of TPH-G, TPH as diesel (TPH-D), BTEX, MTBE, di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), TBA, or volatile organic compounds (VOCs) were present in the soil samples collected from Monitoring Wells MW-6 through MW-9 at approximately 105 fbg (EP Associates, 2005).

In July 2005, in order to facilitate removal of the gasoline USTs, onsite Monitoring Wells MW-1 and MW-3 were properly abandoned (TRC, 2005a).

In July 2005, site demolition activities were conducted. Two 20,000-gallon gasoline USTs, one 550-gallon waste oil UST, associated product lines and dispensers were excavated and removed from the site. Eight soil samples (TC-1 through TC-8) were collected from the gasoline UST excavation at approximately 17 fbg. Two soil samples (WO-1 and WO-2) were collected from the waste oil UST excavation at approximately 7 and 9 fbg. Five soil samples (D-1 through D-5) were collected from beneath the dispensers at depths ranging from approximately 3 to 4 fbg. Six soil samples (PL-1 through PL-6) were collected from beneath the product lines at depths ranging from approximately 2.5 to 4 fbg. Three soil samples (VL-1, VL-2, and VL-3) were collected from beneath the vent lines at depths of 3.5 and 4 fbg. Two soil samples (H-1 and H-2) were collected from beneath the hydraulic hoists at depths of approximately 8.5 and 9 fbg, and two soil samples (C-1 and C-2) were collected from beneath the clarifier at approximately 5.5 fbg. No detectable

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concentrations of TPH-G, BTEX, MTBE, DIPE, ETBE, TAME, TBA or ethanol were present in soil samples collected from beneath the former: gasoline USTs (TC-1 through TC-8), dispensers (D-1 through D-5), product lines (PL-1 through PL-6), or vent lines (VL-1 through VL-3). No detectable concentrations of TRPH, TPH-G, BTEX, MTBE, DIPE, ETBE, TAME, TBA or ethanol were present in soil samples collected from beneath the former hydraulic hoists (H-1 and H-2) or clarifier (C-1 and C-2). TRPH concentrations of 55 and 790 mg/kg were present in Soil Samples WO-1 and WO-2, respectively, collected from beneath the former waste oil UST. Total lead concentrations were detected in Soil Samples TC-1 (8.3 mg/kg), TC-2 (6.2 mg/kg), WO-1 (3.4 mg/kg), and WO-2 (13 mg/kg) (TRC, 2005c).

Based on the results of quarterly fluid level monitoring and groundwater sampling activities conducted in July 2005:

- Groundwater is present at depths ranging from approximately 99 to 101 fbg. The groundwater gradient is approximately 0.01 foot per foot directed toward the west (TRC, 2005b).
- No detectable concentrations of total purgeable petroleum hydrocarbons (TPPH) or BTEX were present in the groundwater samples collected from Monitoring Wells MW-1 through MW-9 (TRC, 2005b).
- A MTBE concentration of 2.6 micrograms per liter ($\mu\text{g/l}$) was detected in the groundwater sample collected from Monitoring Well MW-3. J-Flag concentrations [between the Method Detection Limit (MDL) and Practical Quantitation Limit(PQL)] of MTBE were present in groundwater samples collected from Monitoring Wells MW-4 (0.20 $\mu\text{g/l}$), MW-5 (0.23 $\mu\text{g/l}$), MW-6 (1.2 $\mu\text{g/l}$) and MW-8 (0.20 $\mu\text{g/l}$) (TRC, 2005b).
- No detectable concentrations of TAME, DIPE, ETBE, TBA, or ethanol were present in groundwater samples collected from Monitoring Wells MW-1 through MW-9 (TRC, 2005b).

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4.0 SITE ASSESSMENT ACTIVITIES

4.1 PRE-FIELD ACTIVITIES

Prior to conducting site assessment activities:

- Well permits were obtained from the Los Angeles County Department of Health Services (LACDHS). A copy of the well permit is included in Appendix A.
- The locations of the proposed monitoring wells, vapor wells and soil vapor probes were marked with white spray paint and Underground Service Alert (USA) was notified. The owners of underground utilities in the area were notified by USA and the utilities present in the area of the proposed monitoring well, vapor well and soil vapor probe locations were marked.
- A health and safety plan was prepared.
- On August 11, 2005, a geophysical survey was conducted to locate any underground utilities present in the areas of the proposed monitoring wells, vapor wells and soil vapor probes.
- The Los Angeles Regional Water Quality Control Board (LARWQCB), LACDHS, City of Glendale, and ConocoPhillips Company were notified at least 48 hours prior to conducting fieldwork at the site.

4.2 SOIL SAMPLING AND WELL INSTALLATION ACTIVITIES

On August 15 through 19, 2005, Monitoring Wells MW-1A and MW-3A, and Vapor Wells VW-1A, VW-1B/C, VW-2A, VW-2B/C, VW-3A, and VW-3B/C were drilled and installed using hollow stem auger drilling techniques. The monitoring and vapor wells were installed in the vicinity of the former gasoline USTs (see Figure 2).

Soil samples were collected from the wells as follows:

- MW-1A: at five-foot intervals from approximately 5.0 to 116.5 fbg.
- MW-3A: at five-foot intervals from approximately 5.0 to 116.5 fbg.
- VW-1A: no soil samples collected.
- VW-1B/C: no soil samples collected.
- VW-2A: no soil samples collected.
- VW-2B/C: at five-foot intervals from approximately 5.0 to 91.5 fbg.

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- VW-3A: no soil samples collected.
- VW-3B/C: at five-foot intervals from approximately 5.0 to 91.5 fbg.

Soil samples were used for soil description, field hydrocarbon vapor testing, and laboratory analysis. Soil samples selected for laboratory analysis were collected in accordance with EPA Method 5035.

Monitoring Wells MW-1A and MW-3A were constructed with 4-inch-diameter (flush-threaded Schedule 40 PVC) blank and screened (0.020-inch slot size) casing with a filter pack composed of No. 3 Monterey Sand. Vapor Wells VW-1A, VW-2A and VW-3A were constructed of 2-inch-diameter blank (flush threaded Schedule 40 PVC) and screened (0.020-inch slot size) casing with a filter pack composed of No. 3 Monterey Sand. Vapor Wells VW-1B/C, VW-2B/C and VW-3B/C were constructed with two nested 2-inch-diameter blank (flush threaded Schedule 40 PVC) and screened (0.020-inch slot size) casings installed in the same borehole with a filter pack composed of No. 3 Monterey Sand. Copies of the boring logs and well construction details for wells installed as part of this investigation are included in Appendix A.

The following table presents a summary of the individual well construction details for the wells installed during this investigation:

Well ID No.	Casing Diameter	Screen Interval (fbg)	Filter Pack Interval (fbg)	Seal Interval (fbg)	Total Depth of Borehole (fbg)
MW-1A	4-inch	90-115	88-115	85-88	115.0
MW-3A	4-inch	90-115	88-115	85-88	115.0
VW-1A	2-inch	20-40	18-40	15-18	40.0
VW-1B*	2-inch	45-65	43-66	40-43	90.0
VW-1C*	2-inch	70-90	69-91.5	66-69	90.0
VW-2A	2-inch	20-40	18-40	15-18	40.0
VW-2B*	2-inch	45-65	43-66	40-43	90.0
VW-2C*	2-inch	70-90	69-91.5	66-69	90.0
VW-3A	2-inch	20-40	18-40	15-18	40.0
VW-3B*	2-inch	45-65	43-66	40-43	90.0
VW-3C*	2-inch	70-90	69-91.5	66-69	90.0

Note: fbg = feet below grade
* = nested well

The newly installed monitoring wells were developed to improve hydraulic communication between the formation and the well, and to remove fines from the well. The wells were developed by surging and bailing. The newly installed monitoring wells will be incorporated into the ongoing

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quarterly fluid level monitoring and groundwater sampling program and will be sampled during the next regularly scheduled quarterly sampling event.

Soil cuttings generated during well installation activities were temporarily stored onsite in a closed top, roll-off bin prior to disposal at an appropriate facility. Fluids generated during well installation activities were temporarily stored onsite in Department of Transportation approved 55-gallon drums, prior to disposal at an appropriate facility. Refer to Appendix A for a description of the general field procedures used during this investigation.

4.3 SOIL GAS PROBE INSTALLATION

On August 18 and 19, 2005, a total of eight soil gas probes were installed using hollow stem auger drilling techniques. Two clusters of 3 soil gas probes each (SG-1 and SG-2) were installed in the gasoline UST area and two single soil gas probes (SG-3 and SG-4) were installed in the southern portion of the site (see Figure 2). The soil gas probe clusters (SG-1 and SG-2) consisted of 3 soil gas probes installed at depths of approximately 15, 20, and 25 fbg. Soil Gas Probes SG-3 and SG-4 were installed to total depths of approximately 15 fbg.

The soil gas probes were constructed with a 6-inch long, stainless steel, mesh probe set in a filter pack of No. 3 Monterey Sand. NylaflowTM sample tubing was installed from the mesh probe to the ground surface. The upper portion of the soil gas probe borehole was sealed with hydrated bentonite chips to just below ground surface.

4.4 SOIL VAPOR SAMPLING ACTIVITIES

On August 22, 2005, soil vapor samples were collected from Soil Gas Probes SG-1 through SG-4. A calibrated flow meter and vacuum gage were connected to the NylaflowTM tubing to measure the vacuum integrity of the soil vapor sampling system prior to sample collection. The volume of vapor purged prior to sample collection was measured and recorded in the daily field notes. Soil vapors were purged using an adjustable vacuum pump set at a flow rate of approximately 200 cubic centimeters (cc) per minute. Once the required purge volume of vapors was removed from each soil vapor point (approximately three to four purge volumes), a soil vapor sample was collected in a teflar bag.

4.5 SURVEYING

On September 13, 2005, a California-licensed surveyor surveyed all monitoring wells relative to City of Los Angeles Benchmark TB353-099. The surface elevation of the well box rims and well casings were surveyed vertically with a precision of 0.01 foot. A copy of the survey data is included in Appendix A.

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5.0 LABORATORY ANALYSIS

5.1 SOIL SAMPLES

Soil samples were submitted to a state-certified laboratory and analyzed for:

- TPPH using EPA Method 8260B.
- BTEX using EPA Method 8260B.
- MTBE, DIPE, ETBE, TAME, TBA, and ethanol using EPA Method 8260B.

Results of laboratory analysis of soil samples are presented in Table 1. Copies of the official laboratory reports and chain of custody records are included in Appendix B.

5.2 SOIL VAPOR SAMPLES

Soil vapor samples were submitted to a state-certified laboratory and analyzed for:

- TPH-G using EPA Method TO3.
- BTEX using EPA Method TO14.
- MTBE, DIPE, ETBE, TAME, and TBA using EPA Method TO14.

Results of laboratory analysis of soil vapor samples are presented in Table 2. Copies of the official laboratory reports and chain of custody records are included in Appendix B.

6.0 WASTE DISPOSAL

On August 18 and 23, 2005, a total approximately 28 cubic yards of soil generated during well installation activities were transported to the Filter Recycling Services, Inc. facility in Rialto, California for recycling/disposal. Copies of the non-hazardous waste manifests are included in Appendix C.

On August 25, 2005, approximately 500 gallons of water generated during well installation activities were transported to the Filter Recycling Services Inc. facility in Rialto, California for recycling/disposal. A copy of the non-hazardous waste manifest is included in Appendix C.

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7.0 FINDINGS

7.1 SOIL TYPES AND GROUNDWATER

Soil types encountered during this investigation generally consisted of sand and silty sand with interbedded layers of silt (including sandy silt) from grade to approximately 116.5 fbg. Groundwater was encountered at approximately 100.5 fbg. See Figures 3 and 4 for cross sections showing the site lithology.

7.2 LABORATORY ANALYSIS OF SOIL SAMPLES

A summary of the results of laboratory analysis of soil samples is presented below and shown on Figures 3, 4 and 5:

Monitoring Well MW-1A

- Detectable concentrations of TPPH ranging from 0.20 mg/kg to 390 mg/kg were present in soil samples collected from Monitoring Well MW-1A at approximately 6, 16, 21, 30.5 to 76, and 86 to 116 fbg. A maximum TPPH concentration of 390 mg/kg was detected in the soil sample collected from Monitoring Well MW-1A at approximately 51 fbg.
- Detectable benzene concentrations of 0.028 and 0.0053 mg/kg were present in the soil samples collected from Monitoring Well MW-1A at approximately 51 and 61 fbg, respectively.
- Detectable concentrations of MTBE ranging from 0.0043 to 0.056 mg/kg were present in soil samples collected from Monitoring Well MW-1A from approximately 56.5 to 101 fbg. A maximum MTBE concentration of 0.056 mg/kg was detected in the soil sample collected from Monitoring Well MW-1A at approximately 86 fbg.
- No detectable concentrations of DIPE, ETBE, TAME, TBA or ethanol were present in soil samples collected from Monitoring Well MW-1A.

Monitoring Well MW-3A

- Detectable concentrations of TPPH ranging from 0.19 to 0.70 mg/kg were present in soil samples collected from Monitoring Well MW-3A at approximately 5.5, 10.5, 41, 51, 56.5, 65.5, 76, and from 86.5 to 101 fbg. A maximum TPH-G concentration

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of 0.70 mg/kg was detected in the soil sample collected from Monitoring Well MW-3A at approximately 86.5 fbg.

- Detectable concentrations of MTBE ranging from 0.0043 to 0.40 mg/kg were present in soil samples collected from Monitoring Well MW-3A at approximately 71.5 and from 81.5 to 101 fbg. A maximum MTBE concentration of 0.40 mg/kg was detected in the soil sample collected from Monitoring Well MW-3A at approximately 91.5 fbg.
- No detectable concentrations of benzene, DIPE, ETBE, TAME, TBA, or ethanol were present in the soil samples collected from Monitoring Well MW-3A.

Vapor Well VW-2B/C

- Detectable concentrations of TPPH ranging from 0.20 to 42 mg/kg were present in soil samples collected from Vapor Well VW-2B/C at approximately 30.5 and from 41 to 91 fbg. A maximum TPPH concentration of 42 mg/kg was detected in the soil sample collected from Vapor Well VW-2B/C at approximately 51 fbg.
- Detectable benzene concentrations of 0.014 and 0.0094 mg/kg were present in soil samples collected from Vapor Well VW-2B/C at approximately 46 and 51 fbg, respectively.
- Detectable concentrations of MTBE ranging from 0.036 to 0.42 mg/kg were present in soil samples collected from Vapor Well VW-2B/C from approximately 76.5 to 91 fbg. A maximum MTBE concentration of 0.42 was detected in the soil sample collected from Vapor Well VW-2B/C at approximately 91 fbg.
- No detectable concentrations of DIPE, ETBE, TAME, TBA, or ethanol were present in soil samples collected from Vapor Well VW-2B/C.

Vapor Well VW-3B/C

- Detectable concentrations of TPPH ranging from 0.30 to 79 mg/kg were present in soil samples collected from Vapor Well VW-3B/C from approximately 51 to 91.5 fbg. A maximum TPPH concentration of 79 mg/kg was detected in the soil sample collected from Vapor Well VW-3B/C at approximately 65.5 fbg.
- A detectable benzene concentration of 0.033 mg/kg was present in the soil sample collected from Vapor Well VW-3B/C at approximately 65.5 fbg.

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- Detectable concentrations of MTBE ranging from 0.0021 to 0.63 mg/kg were present in soil samples collected from Vapor Well VW-3B/C at approximately 51 and from 65.5 to 91.5 fbg. A maximum MTBE concentration of 0.63 mg/kg was detected in the soil sample collected from Vapor Well VW-3B/C at approximately 91.5 fbg.
- No detectable concentrations of DIPE, ETBE, TAME, TBA, or ethanol were present in any of the soil samples collected from Vapor Well VW-3B/C.

7.3 LABORATORY ANALYSIS OF SOIL VAPOR SAMPLES

A summary of the results of laboratory analysis of soil vapor samples is presented below and shown on Figure 6:

Soil Gas Probe SG-1

- Detectable TPH-G concentrations of 2.0, 2.3, and 1.9 parts per million by volume (ppmv) were present in the soil vapor samples collected from Soil Gas Probe SG-1 at 15, 20, and 25 fbg, respectively.
- A detectable benzene concentration of 0.0020 ppmv was present in the soil vapor sample collected from Soil Gas Probe SG-1 at approximately 20 fbg.
- Detectable TBA concentrations of 0.013, 0.015, and 0.022 ppmv were present in the soil vapor samples collected from Soil Gas Probe SG-1 at approximately 15, 20, and 25 fbg, respectively.
- No detectable concentrations of MTBE, ETBE, DIPE and TAME were present in soil vapor samples collected from Soil Gas Probe SG-1.

Soil Gas Probe SG-2

- Detectable TPH-G concentration of 1.7, 2.0, and 1.9 ppmv were present in the soil vapor samples collected from Soil Gas Probe SG-2 at approximately 15, 20, and 25 fbg, respectively.
- A detectable MTBE concentration of 0.0064 ppmv was present in the soil vapor sample collected from Soil Gas Probe SG-2 at approximately 20 fbg.

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- No detectable concentrations of benzene, ETBE, DIPE, TAME, and TBA were present in soil vapor samples collected from Soil Gas Probe SG-2.

Soil Gas Probe SG-3

- Detectable concentrations of TPH-G (2.1 ppmv) and MTBE (0.0020 ppmv) were present in the soil vapor sample collected from Soil Gas Probe SG-3 at approximately 15 fbg.
- Detectable concentrations of toluene (0.014 ppmv), ethylbenzene (0.0077 ppmv), and total xylenes (0.039 ppmv) were present in the soil vapor sample collected from Soil Gas Probe SG-3 at approximately 15.0 fbg.
- No detectable concentrations of benzene, DIPE, ETBE, TAME or TBA were present in the soil vapor sample collected from Soil Gas Probe SG-3.

Soil Gas Probe SG-4

- Detectable concentrations of TPH-G (1.9 ppmv) and benzene (0.0021 ppmv) were present in the soil vapor sample collected from Soil Gas Probe SG-4 at approximately 15.0 fbg.
- Detectable concentrations of toluene (0.021 ppmv), ethylbenzene (0.0059 ppmv), and total xylenes (0.024 ppmv) were present in the soil vapor sample collected from Soil Gas Probe SG-4 at approximately 15.0 fbg.
- No detectable concentrations of MTBE, DIPE, ETBE, TAME or TBA were present in the soil vapor sample collected from Soil Gas Probe SG-4.

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8.0 CONCLUSIONS

Based on the results of this and previous investigations, TRC concludes that:

- The soil types observed during well installation activities are similar to the soil types previously encountered in the subsurface beneath the site. Groundwater was encountered at a similar depth as previously encountered in the subsurface beneath the site.
- The site assessment activities conducted to date have adequately assessed the vertical and lateral extent of hydrocarbon-affected soil present in the area of the former gasoline USTs (see Figure 7).

The site assessment activities summarized in this report have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, expressed or implied, is made regarding the conclusions and professional opinions presented in this report. The findings and conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.

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9.0 REFERENCES

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TABLES

Table 1

RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES
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Well Number	Sample Date	Depth (ft)	TPPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	DPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)		
													EPA Method 8261B		
MW-1A	8/18/2005	6.0	0.30	ND<0.00085	ND<0.0015	ND<0.0014	ND<0.0056	ND<0.00096	ND<0.00059	ND<0.00019	ND<0.00029	ND<0.034	ND<0.38		
	8/18/2005	11.5	ND<0.14	ND<0.0067	ND<0.0012	ND<0.0011	ND<0.0044	ND<0.0076	ND<0.0046	ND<0.0015	ND<0.0023	ND<0.027	ND<0.30		
	8/18/2005	16.0	0.25	0.0010 ^j	ND<0.0012	ND<0.0011	ND<0.0046	ND<0.0077	ND<0.0047	ND<0.0015	ND<0.0024	ND<0.027	ND<0.31		
	8/18/2005	21.0	0.24	ND<0.00072	ND<0.0012	ND<0.0012	ND<0.0048	ND<0.0082	ND<0.0050	ND<0.0016	ND<0.0025	ND<0.029	ND<0.33		
	8/18/2005	26.5	ND<0.13	ND<0.00061	ND<0.0011	ND<0.0097	ND<0.0040	ND<0.0069	ND<0.0042	ND<0.0014	ND<0.0021	ND<0.024	ND<0.28		
	8/18/2005	30.5	0.55	0.0021 ^j	0.0048	0.0014 ^j	ND<0.0044	ND<0.0075	ND<0.0046	ND<0.0015	ND<0.0023	ND<0.026	ND<0.30		
	8/18/2005	40.5	21.0	ND<0.00064	0.039	0.17	3.8	ND<0.0073	ND<0.0045	ND<0.0015	ND<0.0022	ND<0.026	ND<0.29		
	8/18/2005	45.5	280	ND<0.00065	0.29	1.4	11	ND<0.0074	ND<0.0045	ND<0.0015	ND<0.0023	ND<0.026	ND<0.30		
	8/18/2005	51.0	390	0.028	1.5	3.4	27	ND<0.0080	ND<0.0049	ND<0.0016	ND<0.0024	ND<0.028	ND<0.32		
	8/18/2005	56.5	0.67	0.0034 ^j	0.055	0.017	0.11	0.017	ND<0.0046	ND<0.0015	ND<0.0023	ND<0.026	ND<0.30		
	8/18/2005	61.5	0.88	0.0053	0.079	0.023	0.15	0.010	ND<0.0046	ND<0.0015	ND<0.0023	ND<0.026	ND<0.30		
	8/18/2005	66.0	2.0	0.0019 ^j	0.037	0.021	0.14	0.010	ND<0.0048	ND<0.0016	ND<0.0024	ND<0.028	ND<0.31		
	8/18/2005	70.5	12	0.0039 ^j	0.081	0.041	0.28	0.011	ND<0.0043	ND<0.0014	ND<0.0022	ND<0.025	ND<0.28		
	8/18/2005	76.0	0.22	ND<0.00068	0.0029 ^j	0.0011 ^j	0.0067 ^j	0.042	ND<0.0047	ND<0.0015	ND<0.0024	ND<0.027	ND<0.31		
	8/18/2005	81.0	0.11 ^j	ND<0.00071	0.0040 ^j	ND<0.0011	0.0066 ^j	0.051	ND<0.0049	ND<0.0016	ND<0.0025	ND<0.028	ND<0.32		
	8/18/2005	86.0	1.3	0.0030 ^j	0.055	0.020	0.14	0.056	ND<0.0045	ND<0.0015	ND<0.0022	ND<0.026	ND<0.29		
	8/18/2005	91.5	0.23	ND<0.00062	0.0071	0.0022 ^j	0.014	0.0047	ND<0.0043	ND<0.0014	ND<0.0021	ND<0.025	ND<0.28		
	8/18/2005	96.0	0.28	0.0010 ^j	0.016	0.0050	0.032	0.046	ND<0.0039	ND<0.0013	ND<0.0019	ND<0.022	ND<0.25		
	8/18/2005	101.0	0.20	ND<0.00059	0.0044	0.0014 ^j	0.0096	0.0043	ND<0.0041	ND<0.0013	ND<0.0020	ND<0.023	ND<0.27		
	8/18/2005	106.5	0.23	0.0017 ^j	0.010	0.0033 ^j	0.019	0.0031 ^j	ND<0.0041	ND<0.0013	ND<0.0020	ND<0.024	ND<0.27		
	8/18/2005	111.5	0.26	0.0011 ^j	0.011	0.0035 ^j	0.022	0.0034 ^j	ND<0.0039	ND<0.0013	ND<0.0019	ND<0.022	ND<0.25		
	8/18/2005	116.0	0.21	ND<0.00055	0.0092	0.0032 ^j	0.020	0.0024 ^j	ND<0.0038	ND<0.0013	ND<0.0019	ND<0.022	ND<0.25		
MW-3A	8/15/2005	5.5	0.20	ND<0.00064	ND<0.0010	ND<0.0043	ND<0.0073	ND<0.0045	ND<0.0015	ND<0.0022	ND<0.026	ND<0.29			
	8/15/2005	10.5	0.21	ND<0.00069	ND<0.0012	ND<0.0011	ND<0.0046	ND<0.0079	ND<0.0048	ND<0.0016	ND<0.0024	ND<0.028	ND<0.31		
	8/15/2005	15.5	ND<0.14	ND<0.00068	ND<0.0012	ND<0.0011	ND<0.0045	ND<0.0077	ND<0.0047	ND<0.0015	ND<0.0023	ND<0.027	ND<0.31		
	8/15/2005	21.0	ND<0.14	ND<0.00065	ND<0.0011	ND<0.0010	ND<0.0044	ND<0.0074	ND<0.0045	ND<0.0015	ND<0.0023	ND<0.026	ND<0.30		
	8/15/2005	26.5	ND<0.15	ND<0.00070	ND<0.0012	ND<0.0011	ND<0.0047	ND<0.0079	ND<0.0048	ND<0.0016	ND<0.0024	ND<0.028	ND<0.32		
	8/15/2005	31.0	ND<0.15	ND<0.00070	ND<0.0012	ND<0.0011	ND<0.0046	ND<0.0079	ND<0.0048	ND<0.0016	ND<0.0024	ND<0.028	ND<0.32		
	8/15/2005	36.0	ND<0.14	ND<0.00067	ND<0.0012	ND<0.0011	ND<0.0045	ND<0.0076	ND<0.0047	ND<0.0015	ND<0.0023	ND<0.027	ND<0.30		
	8/15/2005	41.0	0.34	ND<0.00072	ND<0.0012	ND<0.0011	ND<0.0048	ND<0.0081	ND<0.0050	ND<0.0016	ND<0.0025	ND<0.029	ND<0.33		
	8/15/2005	46.0	ND<0.14	ND<0.00064	ND<0.0011	ND<0.0010	ND<0.0043	ND<0.0073	ND<0.0044	ND<0.0015	ND<0.0022	ND<0.026	ND<0.29		
	8/15/2005	51.0	0.25	ND<0.00066	ND<0.0011	0.0021 ^j	0.0058 ^j	ND<0.0075	ND<0.0046	ND<0.0015	ND<0.0023	ND<0.026	ND<0.30		
	8/15/2005	56.5	0.19	ND<0.00057	ND<0.00099	ND<0.00091	ND<0.0038	0.0019 ^j	ND<0.0040	ND<0.0013	ND<0.0020	ND<0.023	ND<0.26		
	8/15/2005	61.0	ND<0.16	ND<0.00074	ND<0.0013	ND<0.0012	ND<0.0049	ND<0.0083	ND<0.0051	ND<0.0017	ND<0.0026	ND<0.029	ND<0.33		

Table 1

**RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES
Former 76 Station 0353**

Well Number	Sample Date	Depth (ft)	TPPH (mg/l@4)	Benzene (mg/l@4)	Toluene (mg/l@4)	Ethyl benzene (mg/l@4)	Total Xylenes (mg/l@4)	MTBE (mg/l@4)	DPE (mg/l@4)	EBT (mg/l@4)	TAME (mg/l@4)	TBA (mg/l@4)	Ethanol (mg/l@4)
MW-3A (cont'd)	8/15/2005	65.5	0.23	ND<0.00075	ND<0.0013	ND<0.0012	ND<0.0050	ND<0.00084	ND<0.00052	ND<0.00017	ND<0.00026	ND<0.030	ND<0.34
	8/15/2005	71.5	0.15 ^j	ND<0.00060	ND<0.0010	ND<0.00097	ND<0.0040	0.0043	ND<0.00042	ND<0.00014	ND<0.00021	ND<0.024	ND<0.27
	8/15/2005	76.0	0.23	ND<0.00074	ND<0.0013	ND<0.0012	ND<0.0049	ND<0.00084	ND<0.00051	ND<0.00017	ND<0.00026	ND<0.030	ND<0.34
	8/15/2005	81.5	ND<0.16	ND<0.00076	ND<0.0013	ND<0.0012	ND<0.0051	0.012	ND<0.00053	ND<0.00017	ND<0.00027	ND<0.031	ND<0.35
	8/15/2005	86.5	0.70	ND<0.00065	ND<0.0011	ND<0.0010	ND<0.0044	0.22	ND<0.00045	ND<0.00015	ND<0.00023	ND<0.026	ND<0.30
	8/15/2005	91.5	0.65	ND<0.00064	ND<0.0011	ND<0.0010	ND<0.0043	0.40	ND<0.00045	ND<0.00015	ND<0.00022	ND<0.026	ND<0.29
	8/15/2005	96.0	0.43	ND<0.00058	ND<0.0010	ND<0.0092	ND<0.0038	0.27	ND<0.00040	ND<0.00013	ND<0.00020	ND<0.023	ND<0.26
	8/15/2005	101.0	0.38	ND<0.00061	ND<0.0011	ND<0.0098	ND<0.0041	0.25	ND<0.00042	ND<0.00014	ND<0.00021	ND<0.024	ND<0.28
	8/15/2005	106.5	ND<0.12	ND<0.00056	0.0011 ^j	ND<0.0090	ND<0.0038	0.00090 ^j	ND<0.00039	ND<0.00013	ND<0.00020	ND<0.023	ND<0.26
	8/15/2005	111.5	ND<0.14	ND<0.00065	ND<0.0011	ND<0.0010	ND<0.0044	0.0043 ^j	ND<0.00045	ND<0.00015	ND<0.00023	ND<0.026	ND<0.30
	8/15/2005	116.5	ND<0.15	ND<0.00068	ND<0.0012	ND<0.0011	ND<0.0045	ND<0.00047	ND<0.00077	ND<0.00015	ND<0.00024	ND<0.027	ND<0.31
VW-2B/C	8/17/2005	6.0	ND<0.18	ND<0.00086	ND<0.0015	ND<0.0014	ND<0.0058	ND<0.00098	ND<0.00060	ND<0.00020	ND<0.00030	ND<0.034	ND<0.39
	8/17/2005	11.0	ND<0.19	ND<0.00088	ND<0.0015	ND<0.0014	ND<0.0059	ND<0.0010	ND<0.00061	ND<0.00020	ND<0.00031	ND<0.035	ND<0.40
	8/17/2005	16.0	ND<0.16	ND<0.00076	ND<0.0013	ND<0.0012	ND<0.0050	ND<0.00086	ND<0.00053	ND<0.00017	ND<0.00026	ND<0.030	ND<0.34
	8/17/2005	21.5	ND<0.17	ND<0.00080	ND<0.0014	ND<0.0013	ND<0.0053	ND<0.00090	ND<0.00055	ND<0.00018	ND<0.00028	ND<0.032	ND<0.36
	8/17/2005	25.5	ND<0.13	ND<0.00063	ND<0.0011	ND<0.0010	ND<0.0042	ND<0.00072	ND<0.00044	ND<0.00014	ND<0.00022	ND<0.025	ND<0.29
	8/17/2005	30.5	0.20	ND<0.00068	ND<0.0012	ND<0.0011	ND<0.0045	ND<0.00077	ND<0.00047	ND<0.00015	ND<0.00023	ND<0.027	ND<0.31
	8/17/2005	36.0	ND<0.15	ND<0.00069	ND<0.0012	ND<0.0011	ND<0.0046	ND<0.00079	ND<0.00048	ND<0.00016	ND<0.00024	ND<0.028	ND<0.31
	8/17/2005	41.0	0.21	ND<0.00064	0.0068	0.0017 ^j	0.0083 ^j	ND<0.00073	ND<0.00045	ND<0.00015	ND<0.00022	ND<0.026	ND<0.29
	8/17/2005	46.0	17	0.014	0.92	0.24	1.3	0.00087 ^j	ND<0.00048	ND<0.00016	ND<0.00024	ND<0.028	ND<0.31
	8/17/2005	51.0	42	0.0094	0.61	0.40	1.8	0.0043 ^j	ND<0.00047	ND<0.00015	ND<0.00024	ND<0.027	ND<0.31
	8/17/2005	55.5	1.0	ND<0.00075	0.019	0.014	0.087	0.0015 ^j	ND<0.00052	ND<0.00017	ND<0.00026	ND<0.030	ND<0.34
	8/17/2005	61.0	0.85	ND<0.00078	0.051	0.022	0.13	0.0022 ^j	ND<0.00054	ND<0.00018	ND<0.00027	ND<0.031	ND<0.35
	8/17/2005	65.5	1.6	ND<0.00070	0.0069	0.013	0.098	ND<0.00079	ND<0.00048	ND<0.00016	ND<0.00024	ND<0.028	ND<0.32
	8/17/2005	70.5	0.34	ND<0.00090	0.0044 ^j	0.0022 ^j	0.014	0.0013 ^j	ND<0.00062	ND<0.00020	ND<0.00031	ND<0.036	ND<0.41
	8/17/2005	76.5	0.30	ND<0.00064	0.0062	0.0030 ^j	0.016	0.091	ND<0.00045	ND<0.00015	ND<0.00022	ND<0.026	ND<0.29
	8/17/2005	81.0	0.29	ND<0.00077	0.0016 ^j	ND<0.0012	0.0061 ^j	0.036	ND<0.00054	ND<0.00018	ND<0.00027	ND<0.031	ND<0.35
	8/17/2005	86.0	0.48	ND<0.00056	0.0029 ^j	0.0012 ^j	0.0065 ^j	0.39	ND<0.00039	ND<0.00013	ND<0.00019	ND<0.022	ND<0.25
	8/17/2005	91.0	0.63	ND<0.00064	0.0077	0.0034 ^j	0.020	0.42	ND<0.00044	ND<0.00015	ND<0.00022	ND<0.026	ND<0.29
VW-3B/C	8/16/2005	6.0	ND<0.13	ND<0.00063	ND<0.0011	ND<0.0010	ND<0.0042	ND<0.00072	ND<0.00044	ND<0.00014	ND<0.00022	ND<0.025	ND<0.29
	8/16/2005	11.0	ND<0.13	ND<0.00063	ND<0.0011	ND<0.0010	ND<0.0042	ND<0.00071	ND<0.00043	ND<0.00014	ND<0.00022	ND<0.025	ND<0.28
	8/16/2005	15.5	ND<0.14	ND<0.00067	ND<0.0012	ND<0.0011	ND<0.0045	ND<0.00076	ND<0.00046	ND<0.00015	ND<0.00023	ND<0.027	ND<0.30
	8/16/2005	21.5	ND<0.14	ND<0.00067	ND<0.0012	ND<0.0011	ND<0.0045	ND<0.00076	ND<0.00047	ND<0.00015	ND<0.00019	ND<0.022	ND<0.25
	8/16/2005	26.0	ND<0.13	ND<0.00060	ND<0.0010	ND<0.00097	ND<0.0040	ND<0.00069	ND<0.00042	ND<0.00014	ND<0.00021	ND<0.024	ND<0.27

Table 1

RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES
Former 76 Station 0353

Well Number	Sample Date	Depth (ft)	TPPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)		Total Xylenes (mg/kg)		MIBE (mg/kg)	DIBE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	TEA (mg/kg)	Ethanol (mg/kg)
						1-Ethyl-	2-Ethyl-	Total	Xylenes						
TPPA Method 8260B															
VW-3B/C (cont'd)	8/16/2005	31.0	ND<0.13	ND<0.00062	ND<0.0011	ND<0.00098	ND<0.0041	ND<0.00070	ND<0.00043	ND<0.00014	ND<0.00021	ND<0.025	ND<0.025	ND<0.025	ND<0.28
	8/16/2005	36.0	ND<0.15	ND<0.00071	ND<0.0012	ND<0.0011	ND<0.0047	ND<0.00080	ND<0.00049	ND<0.00016	ND<0.00025	ND<0.028	ND<0.028	ND<0.32	ND<0.32
	8/16/2005	41.0	ND<0.13	ND<0.00063	ND<0.0011	ND<0.0010	ND<0.0042	ND<0.00071	ND<0.00043	ND<0.00014	ND<0.00022	ND<0.025	ND<0.025	ND<0.025	ND<0.28
	8/16/2005	46.0	ND<0.14	ND<0.00064	ND<0.0011	ND<0.0010	ND<0.0043	ND<0.00073	ND<0.00045	ND<0.00015	ND<0.00022	ND<0.026	ND<0.026	ND<0.026	ND<0.29
	8/16/2005	51.0	0.81	0.0047 ^j	0.067	0.017	0.089	0.0021	ND<0.00054	ND<0.00018	ND<0.00027	ND<0.031	ND<0.031	ND<0.031	ND<0.35
	8/16/2005	56.0	0.46	ND<0.00065	0.019	0.0073	0.040	ND<0.00074	ND<0.00045	ND<0.00015	ND<0.00022	ND<0.026	ND<0.026	ND<0.026	ND<0.29
	8/16/2005	61.0	0.52	0.0019 ^j	0.039	0.010	0.052	ND<0.00093	ND<0.00057	ND<0.00019	ND<0.00028	ND<0.033	ND<0.033	ND<0.033	ND<0.37
	8/16/2005	65.5	79	0.033	1.4	0.87	5.0	0.0039	ND<0.00041	ND<0.00013	ND<0.00020	ND<0.024	ND<0.024	ND<0.024	ND<0.27
	8/16/2005	71.0	0.51	0.0015 ^j	0.040	0.013	0.073	0.050	ND<0.00045	ND<0.00015	ND<0.00022	ND<0.026	ND<0.026	ND<0.026	ND<0.29
	8/16/2005	75.5	0.65	0.0010 ^j	0.033	0.013	0.072	0.039	ND<0.00054	ND<0.00018	ND<0.00027	ND<0.031	ND<0.031	ND<0.031	ND<0.35
	8/16/2005	81.0	0.30	ND<0.00076	0.0030 ^j	0.0014 ^j	0.0079 ^j	0.073	ND<0.00053	ND<0.00017	ND<0.00026	ND<0.030	ND<0.030	ND<0.030	ND<0.34
	8/16/2005	86.0	0.60	ND<0.00085	0.012	0.0081	0.046	0.021	ND<0.00059	ND<0.00019	ND<0.00029	ND<0.034	ND<0.034	ND<0.034	ND<0.38
	8/16/2005	91.5	19	0.0022 ^j	ND<0.00099	0.051	0.29	0.63	ND<0.00040	ND<0.00013	ND<0.00020	ND<0.023	ND<0.023	ND<0.023	ND<0.26
NOTES:															
	TPPH	=	total purgeable petroleum hydrocarbons		TBA	=	tertiary-butyl alcohol		ND						
	MIBE	=	methyl tertiary butyl ether		ND	=	not detected at the detection limit indicated								
	DIBE	=	di-isopropyl ether		fg	=	feet below grade								
	TAME	=	tertiary-amyl methyl ether		ng/kg	=	milligrams per kilogram								
	ETBE	=	ethyl tertiary-butyl ether		J	=	estimated value; between the Practical Quantitation Limit and Method Detection Limit								

Table 2

RESULTS OF LABORATORY ANALYSIS OF SOIL VAPOR SAMPLES
Former 76 Station 0353

Well Number	Sample Date	Depth (ft)	TPH-G		Benzene (ppm) EPA TO-3	Toluene (ppm) EPA TO-3	Ethylenbenzene (ppm) EPA Method TO-14A	Total Xylenes (ppm) EPA Method TO-14A	MTBE (ppm) EPA Method TO-14A	ETBE (ppm) EPA Method TO-14A	DIPE (ppm)	TAME (ppm)	TBA (ppm)
			(ppm) EPA TO-3	(ppm) EPA TO-3									
SG-1@15.0	8/22/2005	15.0	2.0	ND<0.0020	0.010	0.0054	0.029	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	0.013
SG-1@20.0	8/22/2005	20.0	2.3	0.0020	0.0090	0.0041	0.021	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	0.015
SG-1@25.0	8/22/2005	25.0	1.9	ND<0.0020	0.011	0.0038	0.018	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	0.022
SG-2@15.0	8/22/2005	15.0	1.7	ND<0.0020	0.020	0.0091	0.047	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.010
SG-2@20.0	8/22/2005	20.0	2.0	ND<0.0020	0.018	0.013	0.069	0.0064	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.010
SG-2@25.0	8/22/2005	25.0	2.2	ND<0.0020	0.019	0.012	0.063	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.010
SG-3@15.0	8/22/2005	15.0	2.1	ND<0.0020	0.014	0.0077	0.039	0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.010
SG-4@15.0	8/22/2005	15.0	1.9	0.0021	0.021	0.0059	0.024	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.010

NOTES:

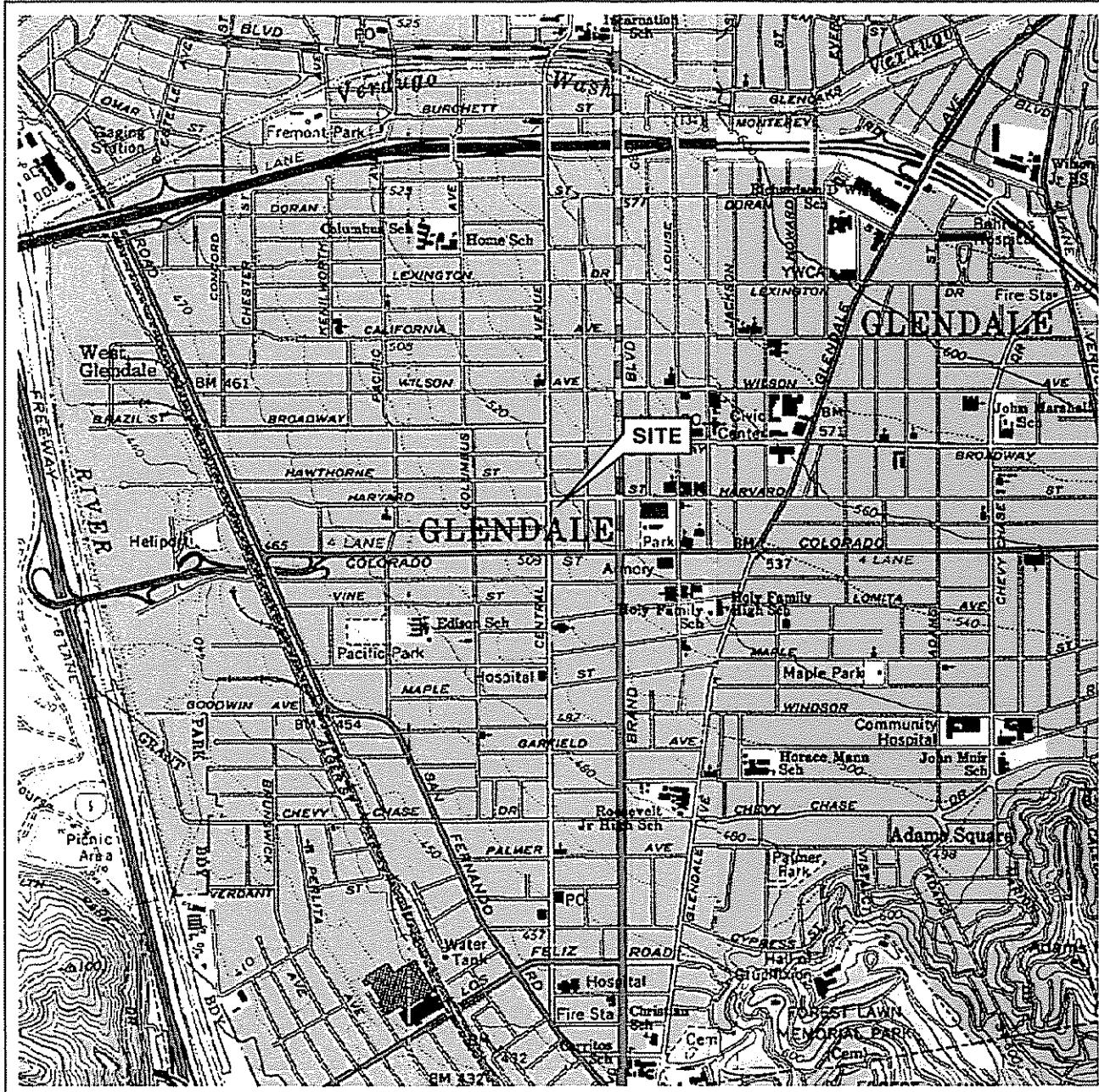
TPH-G = total petroleum hydrocarbons as gasoline
 MTBE = methyl tertiary butyl ether
 DIPE = di-isopropyl ether
 TAME = tertiary-amyl methyl ether
 ETBE = ethyl tertiary-butyl ether
 TBA = tertiary-butyl alcohol
 ND = not detected at the detection limit indicated
 fg = feet below grade
 mg/kg = milligrams per kilogram

Additional Site Assessment Report

Former 76 Station 0353

December 23, 2005

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

N

SOURCE:

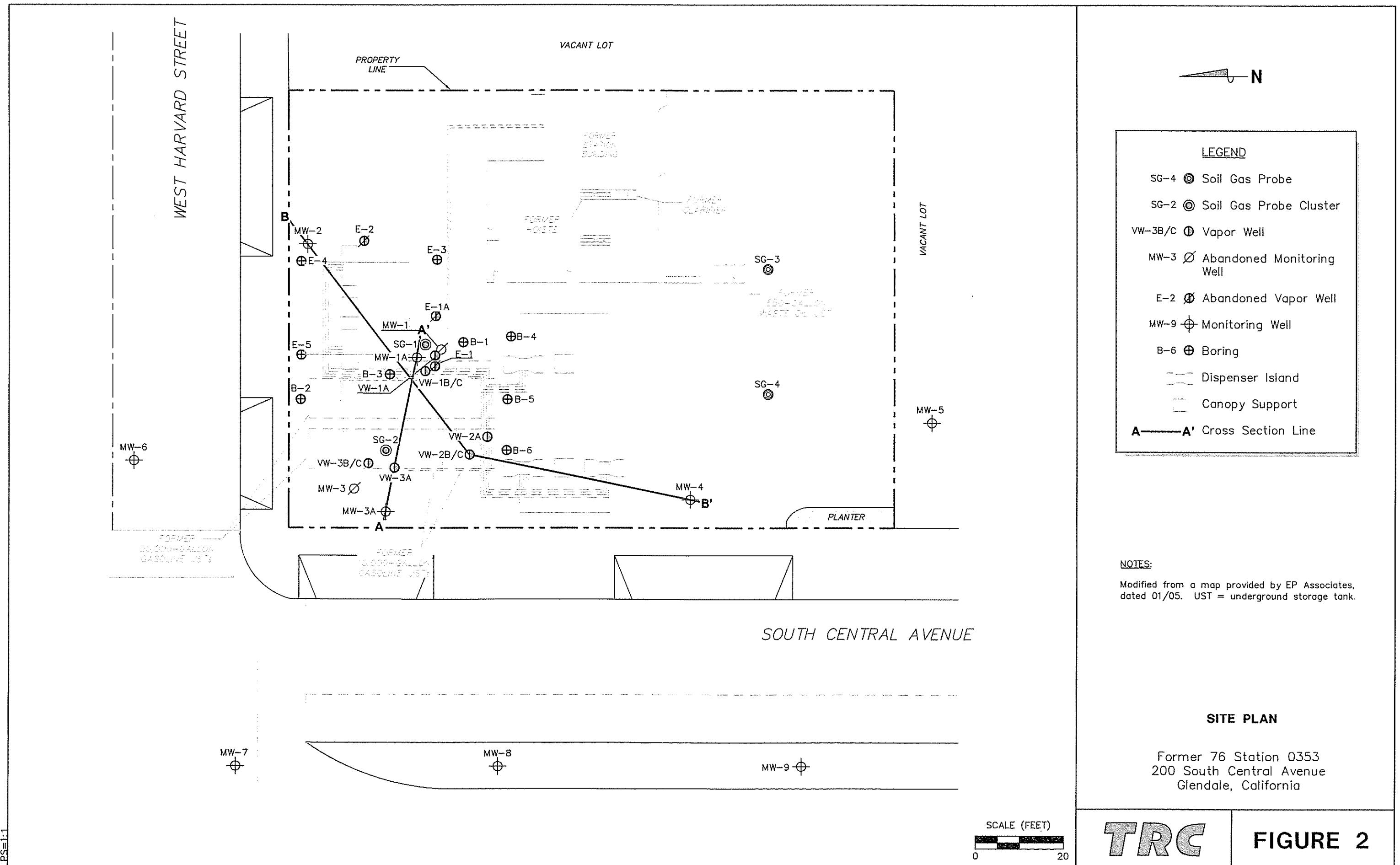
United States Geological Survey
7.5 Minute Topographic Map:
Pasadena Quadrangle

VICINITY MAP

Former 76 Station 0353
200 South Central Avenue
Glendale, California

TRC

PS = 1:1



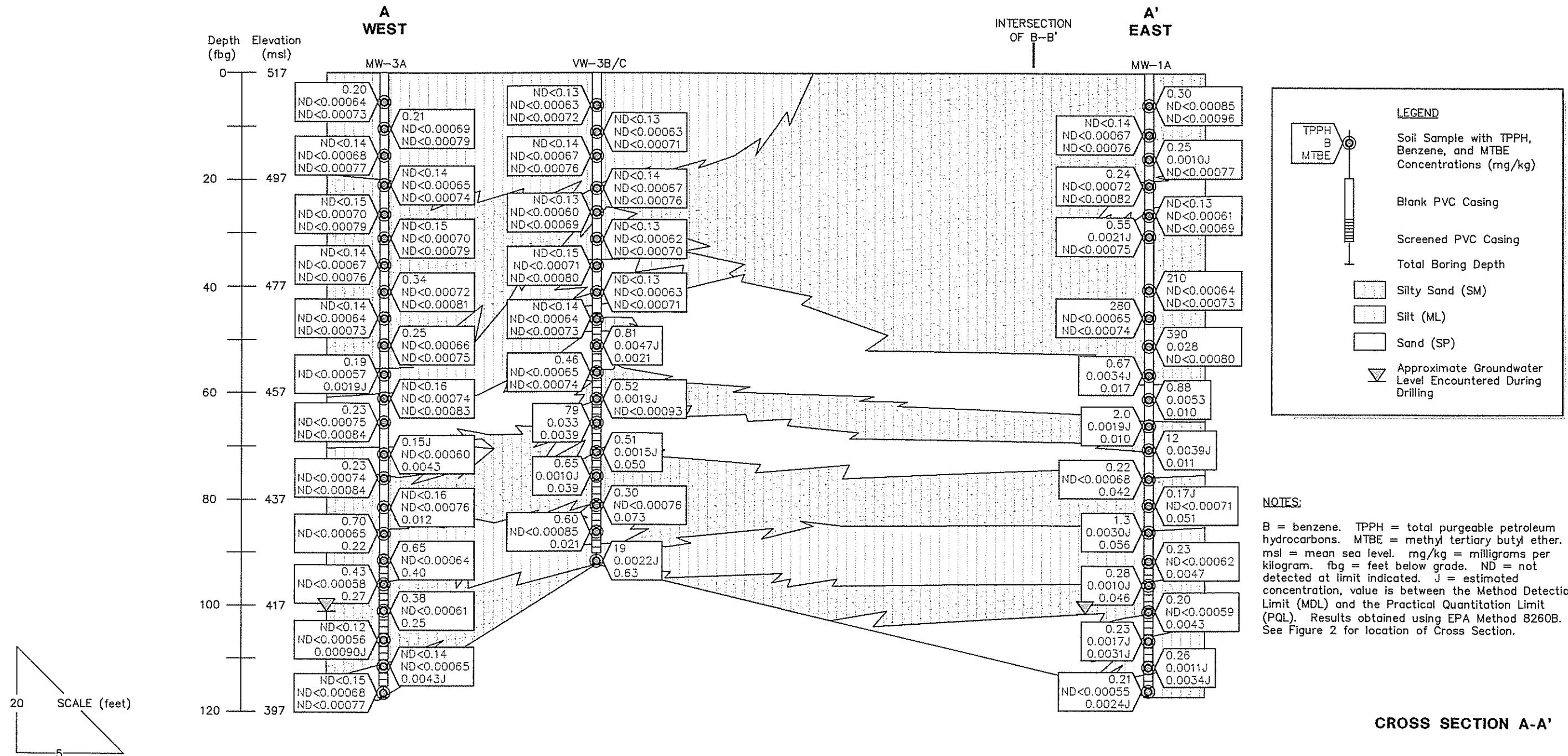


FIGURE 3

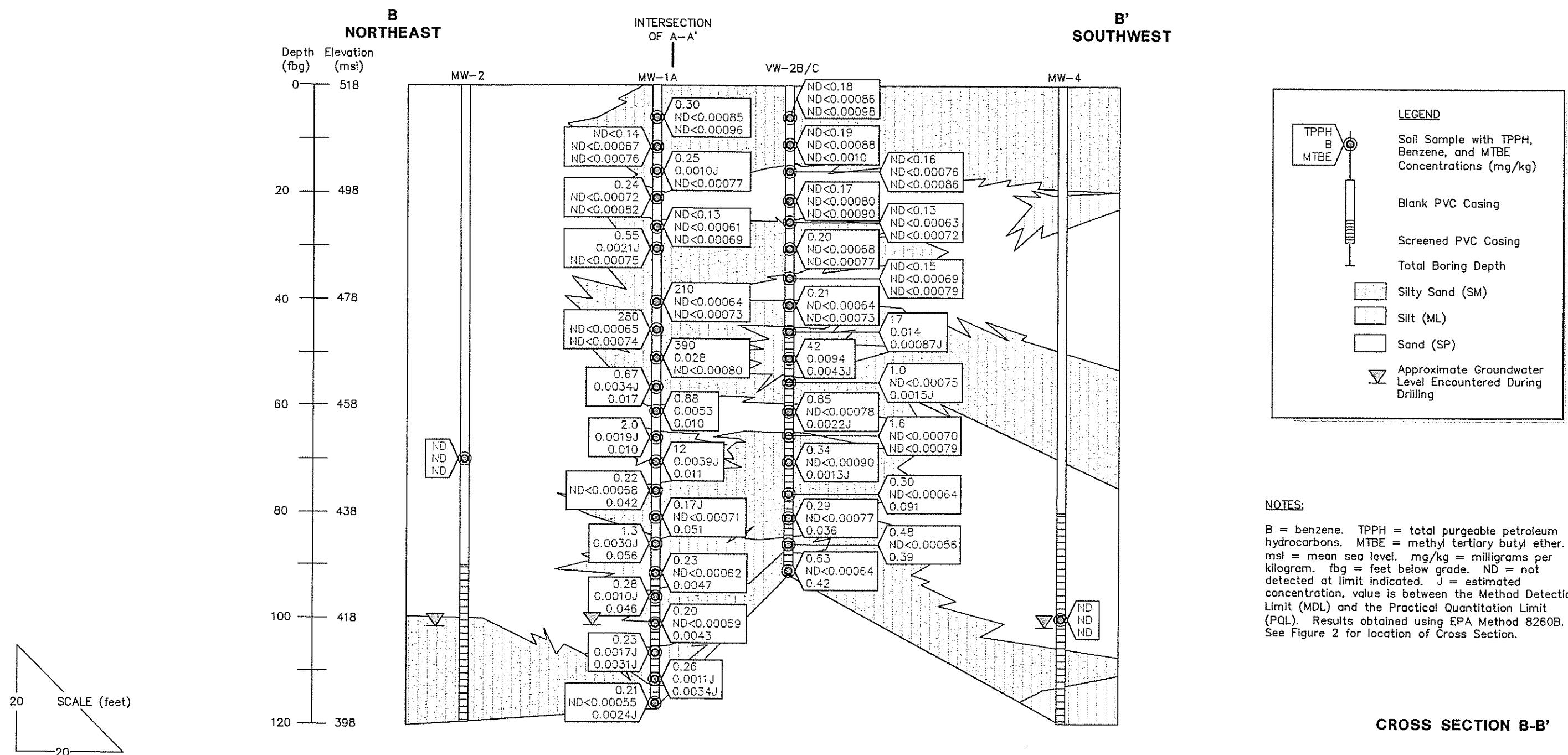
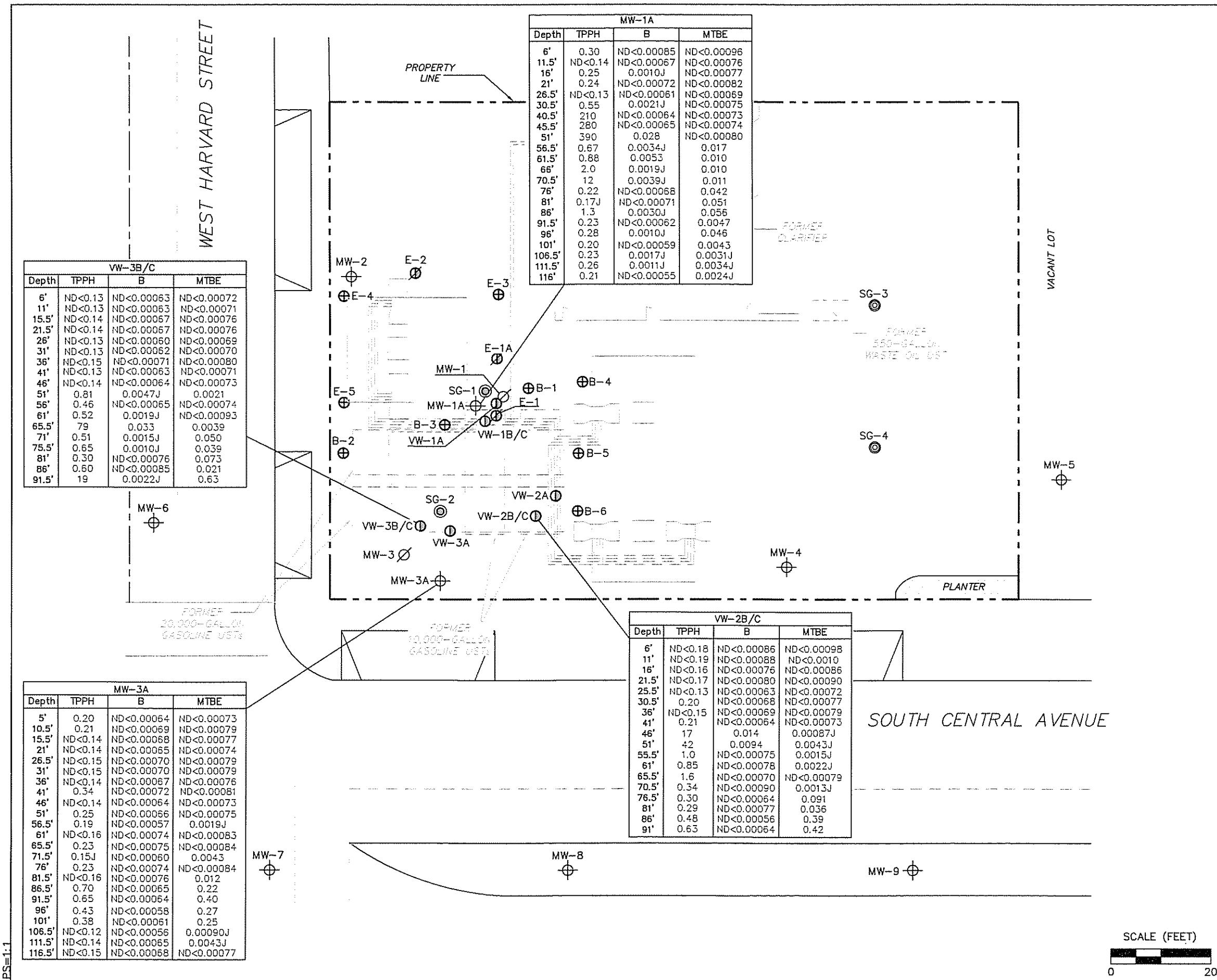
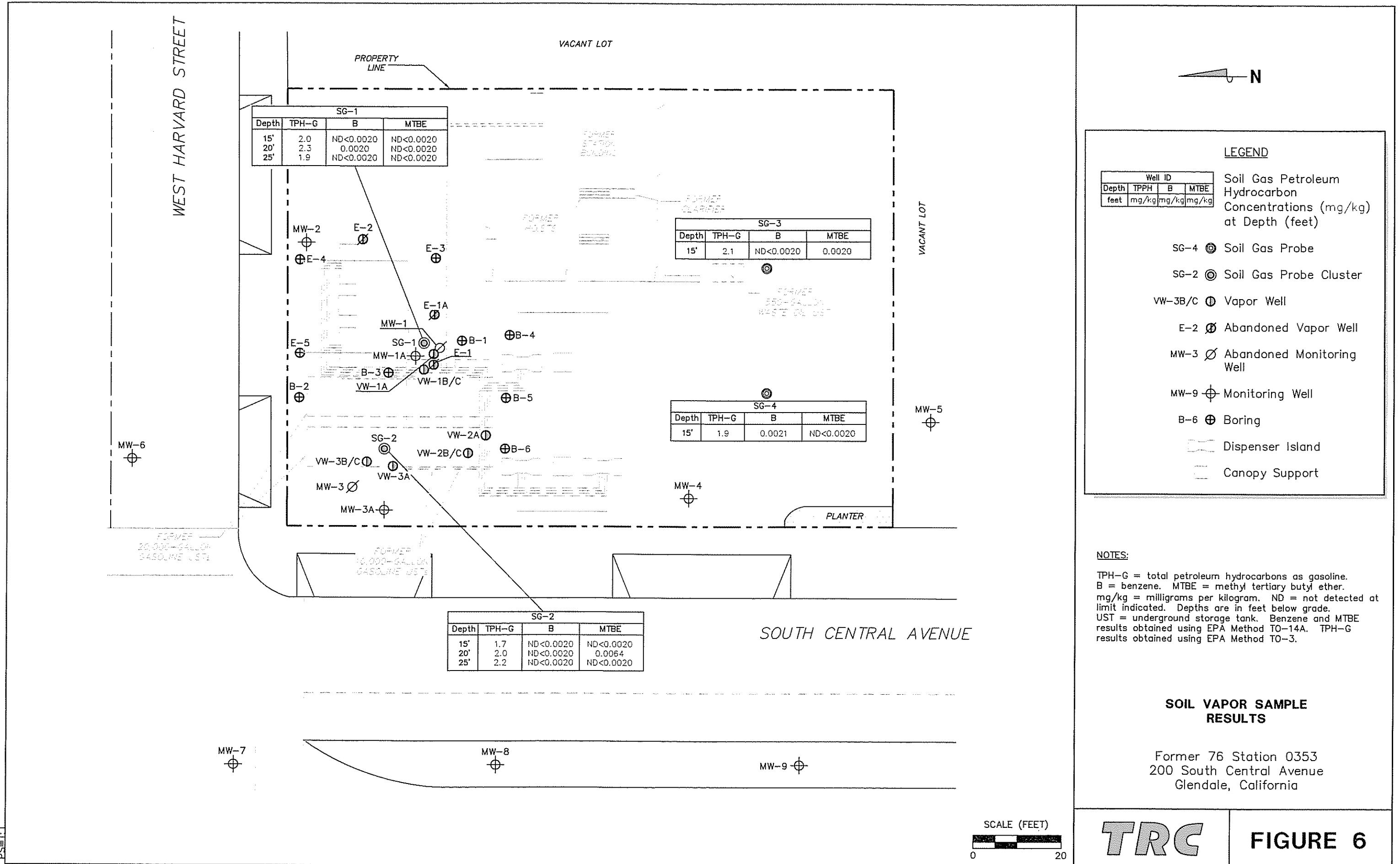
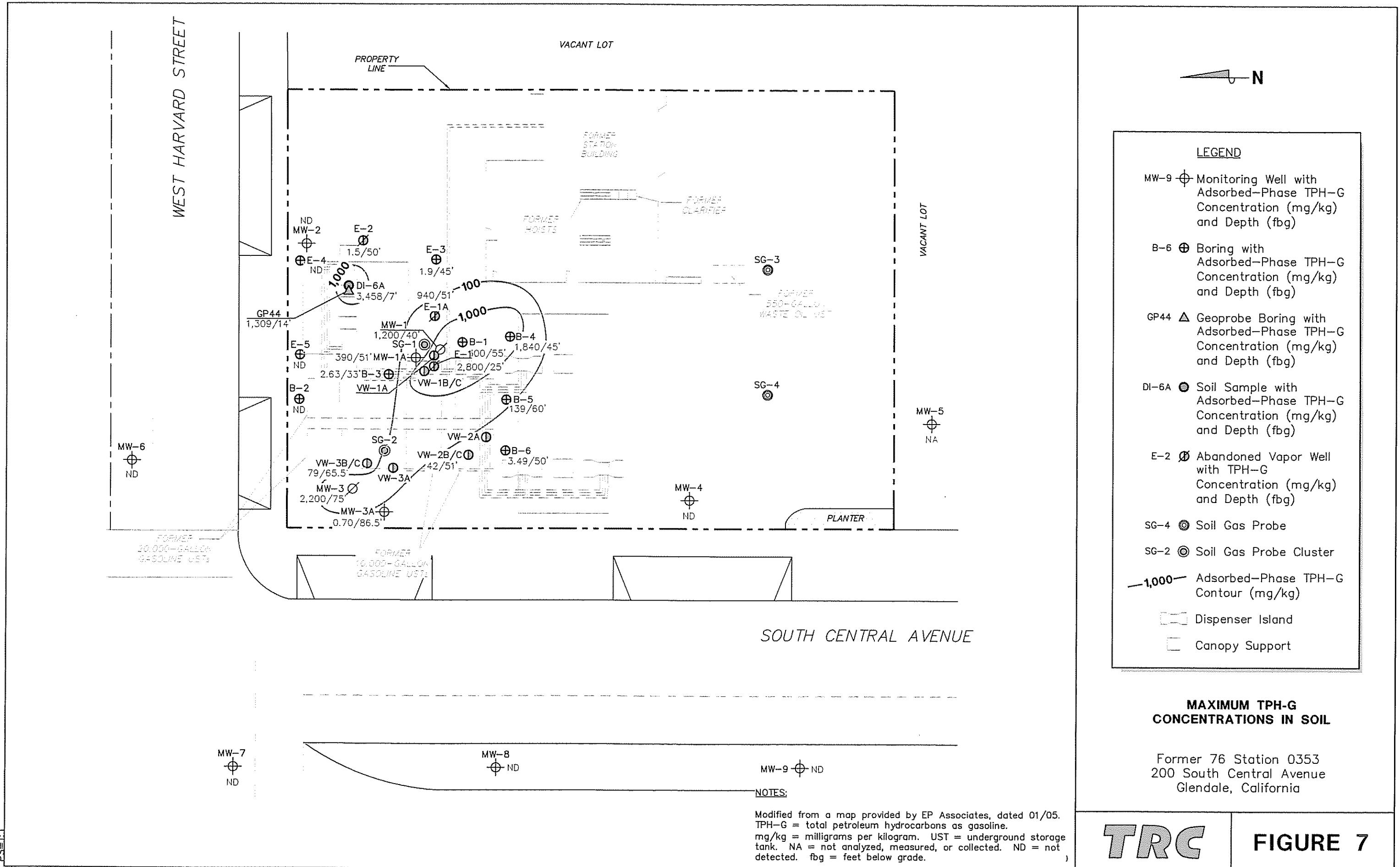


FIGURE 4







Additional Site Assessment Report

Former 76 Station 0353

December 23, 2005

APPENDIX A

**GENERAL FIELD PROCEDURES, WELL PERMIT,
BORING LOGS, WELL CONSTRUCTION DETAILS,
AND SURVEY DATA**

GENERAL FIELD PROCEDURES

The following is a description of general field procedures used during drilling and soil sampling activities.

DRILLING AND SOIL SAMPLING

Soil borings are drilled using continuous-flight, hollow-stem augers. Borings that are not completed as monitoring wells are grouted to within 5 feet of the ground surface with a cement/bentonite slurry. The remaining 5 feet is filled with concrete.

Soil samples are obtained for soil description, field hydrocarbon vapor screening, and possible laboratory analysis. Soil samples are retrieved from the borings by one of two methods: 1) continuously, using a 5-foot-long, continuous-core barrel sampler advanced into the soil with the lead auger, or 2) at 2.5- or 5-foot intervals, using a standard split-spoon sampler without sample rings. The split-spoon sampler is driven approximately 18 inches beyond the lead auger with a 140-pound hammer dropped from a height of 30 inches.

During drilling activities, soil adjacent to the laboratory sample is screened for combustible vapors using a combustible gas indicator (CGI) or equivalent field instrument. For each hydrocarbon vapor screening event, a 6-inch-long by 2.5-inch-diameter sample insert is filled approximately 1/3 full with the soil sample, capped at both ends, and shaken. The probe is then inserted through a small opening in the cap, and a reading is taken after approximately 15 seconds and recorded on the boring log. The remaining soil recovered is removed from the sample insert or sampler, and described in accordance with the Unified Soil Classification System. For each sampling interval, field estimates of soil type, density/consistency, moisture, color, and grading are recorded on the boring logs.

SOIL SAMPLE HANDLING

Upon retrieval, soil samples selected for laboratory analysis are immediately collected from the split spoon sampler (using the Encore™ sampling system) in accordance with EPA Method 5035. Each sample is labeled with the project number, boring/well number, sample depth, sampler's initials, and date of collection. After the samples have been labeled and documented in the chain of custody record, they are placed in a cooler with ice at approximately 4 degrees Celsius (°C) prior to and during transport to a state-certified laboratory for analysis.

MONITORING WELL INSTALLATION

Monitoring wells are typically constructed of 4-inch-diameter, flush-threaded Schedule 40 PVC blank and screened (0.020-inch slot size) casing. Where possible, the screened interval will extend at least 10 feet above, and 10 to 20 feet below, the top of the groundwater table. The annular space surrounding the screened casing is backfilled with No. 3 Monterey sand (filter pack) to approximately 2 feet above the top of the screened section.

During well construction, the filter pack is completed by surging with a rig-mounted surge block. A 3-foot-thick bentonite annular seal is placed above the filter pack. The remaining annular space is grouted with Portland cement and/or bentonite grout to the surface. Utility access boxes are installed slightly above grade. Locking, watertight caps are installed to prevent unauthorized access to the well, and limit infiltration of surface fluids.

CHAIN OF CUSTODY PROTOCOL

Chain of custody protocol is followed for all soil selected for laboratory analysis. The chain of custody form(s) accompanies the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis.

DECONTAMINATION

Drilling equipment is decontaminated by steam cleaning before being brought onsite. The augers are also steam cleaned before each new boring is commenced. Prior to use, the sampler is brush-scrubbed in a Liqui-nox® and potable water solution and rinsed twice in clean potable water.

WELL PERMIT APPLICATION

NON-PRODUCTION WELLS

WATER & SEWAGE / MOUNTAIN & RURAL PROGRAMS - ENVIRONMENTAL HEALTH DIVISION
5050 COMMERCE DRIVE, BALDWIN PARK, CA 91706 (626) 430-5380 FAX (626) 813-3016

DATE: 07/13/2005

- NEW WELL CONSTRUCTION
 RECONSTRUCTION OR RENOVATION
 DECOMMISSIONING
 OTHER:

- MONITORING
 CATHODIC
 INJECTION
 EXTRACTION

HEAT EXCHANGE
OTHER (Specify):

WELL LOCATION	SITE ADDRESS 200 South Central Avenue	CITY Glendale	ZIP CODE 91205-1311	
	Township TIN	Range R13W	Section 29	Map Book Page/ Grid LA 564 E5
NO. OF WELLS IN EACH PARCEL: 2		Attach site map with well locations		

WELL STRUCTURE	Type and Size of Production Casing 4-inch dia. Sch. 40 PVC Blank casing / 4-in. dia. Sch. 40 PVC with 0.020" slotting	Company TRC	CONTACT CO.
	Sanitary / Annular Sealing Material Bentonite chips	Contact Person Robert J. Ponce	
	Depth of Sanitary / Annular Seal 85-88 fbg	Address 21 Technology Drive	
	Conductor Casing Seal NA	City, State Zip Irvine, CA 92618	
Telephone (949) 753-0101	Telephone (949) 753-0101		

IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED IN THE FIELD ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS OFFICE, WORK PLAN MODIFICATIONS MAY BE REQUIRED

OWNER / DRILLER INFORMATION	Well Owner Conoco Phillips Company	DISPOSITION OF PERMIT (Department Use Only) THIS PERMIT IS CONSIDERED COMPLETE WHEN THE WORK PLAN IS APPROVED AND WHEN THE WELL COMPLETION LOG IS RECEIVED. NO WELL CONSTRUCTION OR DECOMMISSIONING CAN BE INITIATED WITHOUT THE WORK PLAN APPROVAL FROM THIS DEPARTMENT.
	Address 3611 S. Harbor Blvd., Ste. 200	WORK PLAN APPROVAL This Approval is Valid for 180 Days
	City / Zip Code Santa Ana, CA 92704	Date 7/20/05 REHS Michael Lui
	Telephone (714) 428-7720	Conditions LET ME KNOW WHEN WILL MW-1A & MW-3A BE DONE.
	Well Driller Cascade Drilling, Inc.	
	Address 11250 Firestone Boulevard	
	City / Zip Code Norwalk, CA 90650	

WELL DECOMMISSIONING	Well Depth log / records	
	Method of Well Assessment	
	Depth and Number of Perforations	
	Type of Perforator Size of Perforations	
	Type and Amount of Sealant	
	Method of Upper Seal Pressure Application	

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction and decommissioning. Upon completion of the well and within thirty days thereafter, I will furnish the Environmental Health office with a completion log of the well giving date drilled, depth of the well, perforations in the casing, and any other data deemed necessary by County Environmental Health Division.

Robert J. Ponce Jr.
Applicant's Signature

Applicant Name: (PRINT) **Robert J. Ponce Jr.**
Telephone: **(949) 753-0101**

FAX(949)727-7399

FINAL INSPECTION	
Date 9/27/05	REHS Michael Lui
PERMIT ISSUED # 634860	
The well log must be submitted to this Department prior to issuance of the final approval.	
Date 7/20/05	REHS Michael Lui

LITHOLOGY
(UNIFIED SOILS CLASSIFICATION SYSTEM)

MAJOR DIVISIONS			TYPICAL NAMES	
COARSE-GRAINED SOILS MORE THAN HALF IS LARGER THAN No. 200 SIEVE	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN No. 4 SIEVE SIZE	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH OVER 12% FINES	GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES
			GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
			GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SANDS MORE THAN HALF COARSE FRACTION IS SMALLER THAN No. 4 SIEVE SIZE	CLEAN SANDS WITH LITTLE OR NO FINES	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH OVER 12% FINES	SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
			SM	SILTY SANDS, SAND-SILT MIXTURES
			SC	CLAYEY SANDS, SAND-CLAY MIXTURES
			ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
FINE-GRAINED SOILS MORE THAN HALF IS SMALLER THAN No. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50		CL	INORGANIC CLAYS OF LOW- TO MEDIUM-PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50		OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
			MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
			CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH	ORGANIC CLAYS OF MEDIUM- TO HIGH-PLASTICITY, ORGANIC SILTS
	HIGHLY ORGANIC SOILS		Pt	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

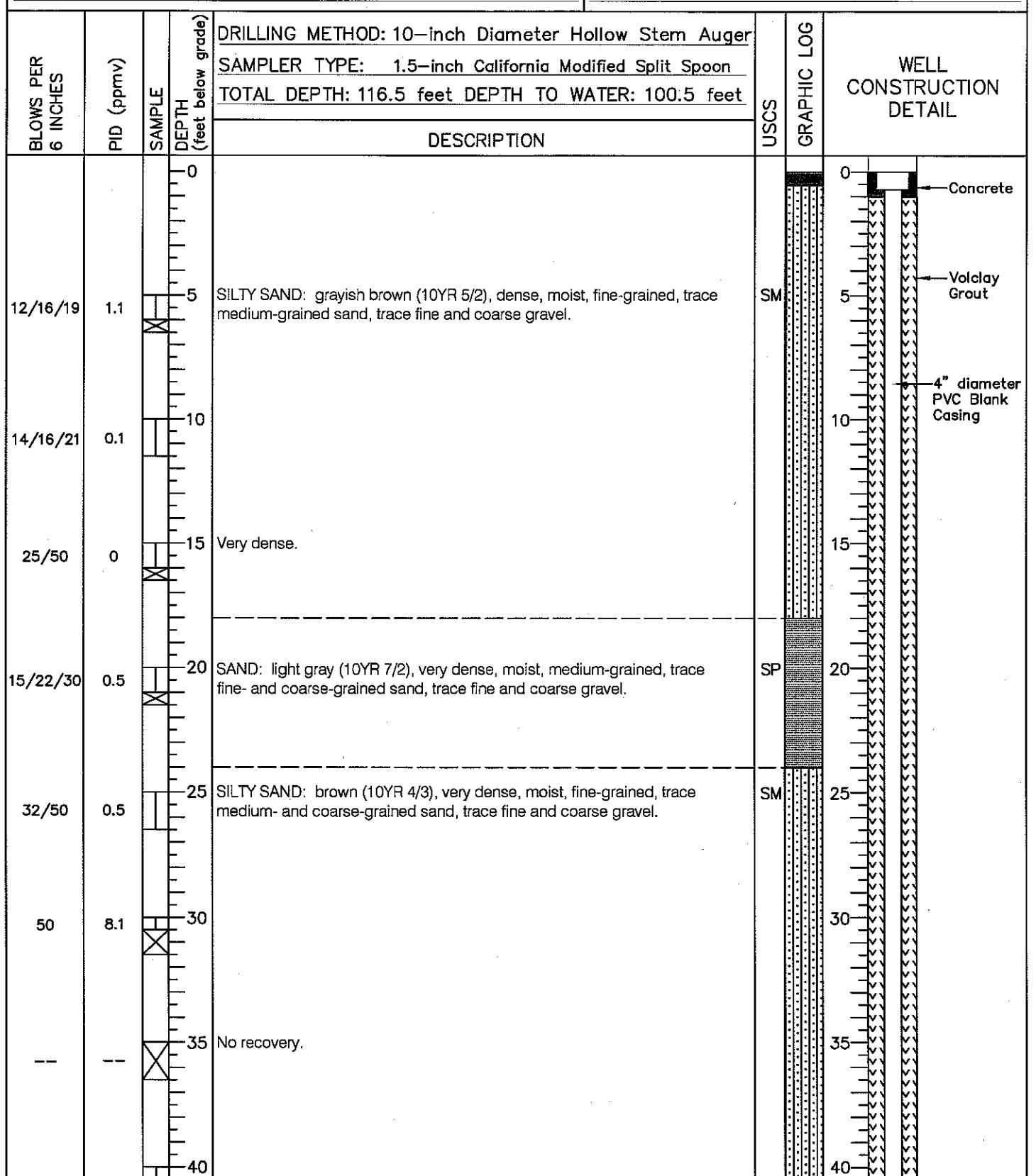
SYMBOLS AND NOTES

	SAMPLE INTERVAL	<u>CLAST SIZE (Field Classification)</u>	<u>DESCRIPTORS</u>
	SAMPLE NOT RECOVERED	Gravel = >0.2 inches Sand = 0.003 - 0.2 inches Silt = <0.003 (not plastic) Clay = <0.003 (plastic)	Trace = 1% - 5% Some = 6% - 10% With = 11% - 25% -ly = 26% - 40% And = >40%
	CONCRETE		
	BENTONITE CHIPS		
	COATED BENTONITE PELLETS	<u>SANDS</u>	<u>SILTS & CLAYS</u>
	VOLCLAY or BENTONITE GROUT	4-10 blows per foot = Loose 10-30 blows per foot = Medium Dense 30-50 blows per foot = Dense >50 blows per foot = Very Dense	2-4 blows per foot = Soft 4-8 blows per foot = Medium Stiff 8-15 blows per foot = Stiff 15-30 blows per foot = Very Stiff >30 blows per foot = Hard
	FILTER SAND PACK		
	WATER LEVEL ENCOUNTERED WHEN DRILLING		
	STATIC WATER LEVEL	USCS = Unified Soil Classification System ppm = Parts Per Million (mg/kg)	PID = Photoionization Detector CGI = Combustible Gas Indicator

TRC

KEY TO BORING LOG

PROJECT NO.: 20-0948	DATE DRILLED: August 18, 2005
LOCATION: Former 76 Station 0353	LOGGED BY: R. Ponce/S. Owens
200 South Central Avenue	APPROVED BY: J. Nordenstam R.G.
Glendale, California	DRILLING CO./RIG: Cascade/CME-85



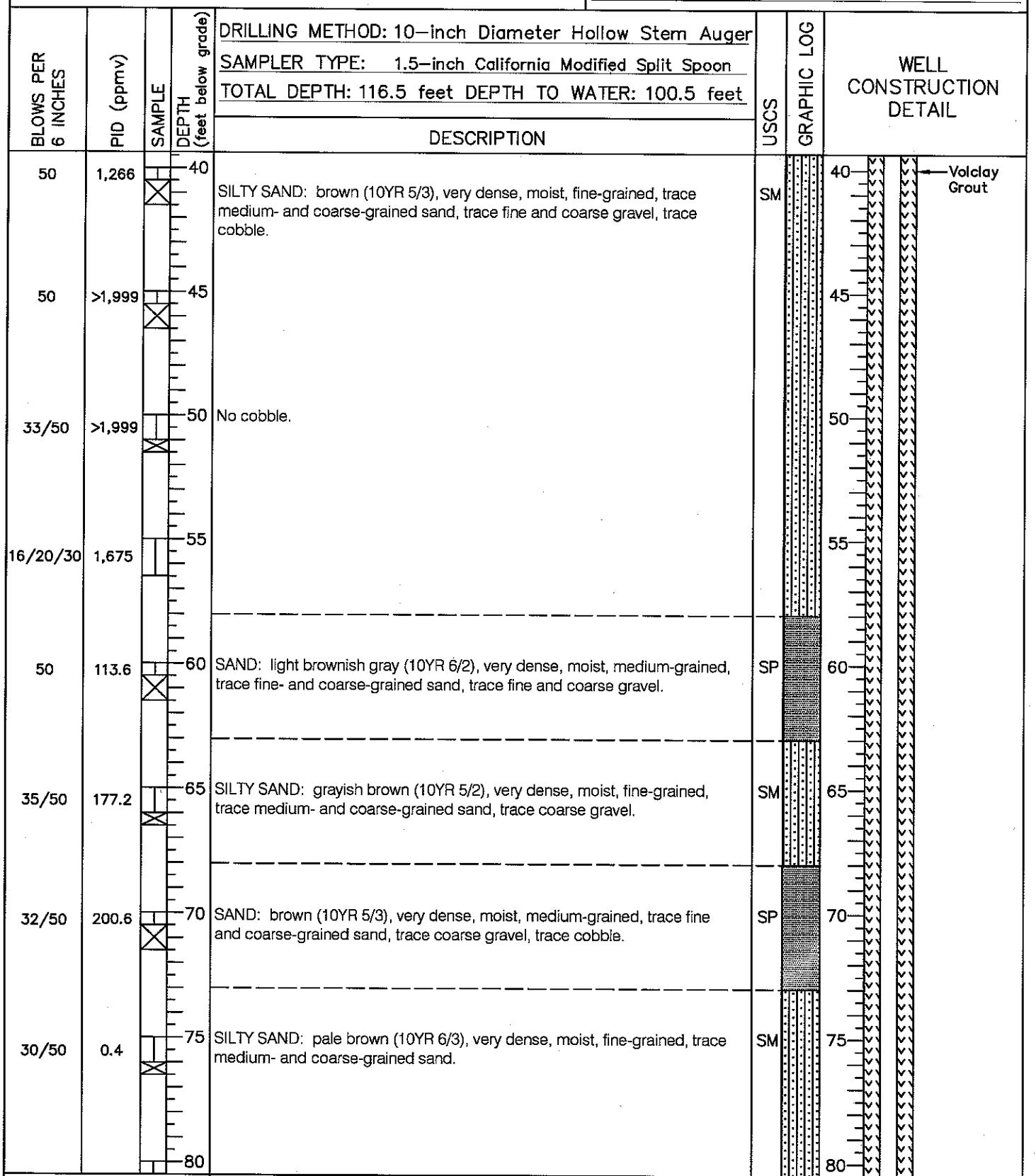
TRC

LOG OF EXPLORATORY BORING

MW-1A

PAGE 1 OF 3

PROJECT NO.: 20-0948	DATE DRILLED: August 18, 2005
LOCATION: Former 76 Station 0353	LOGGED BY: R. Ponce/S. Owens
200 South Central Avenue	APPROVED BY: J. Nordenstam R.G.
Glendale, California	DRILLING CO./RIG: Cascade/CME-85



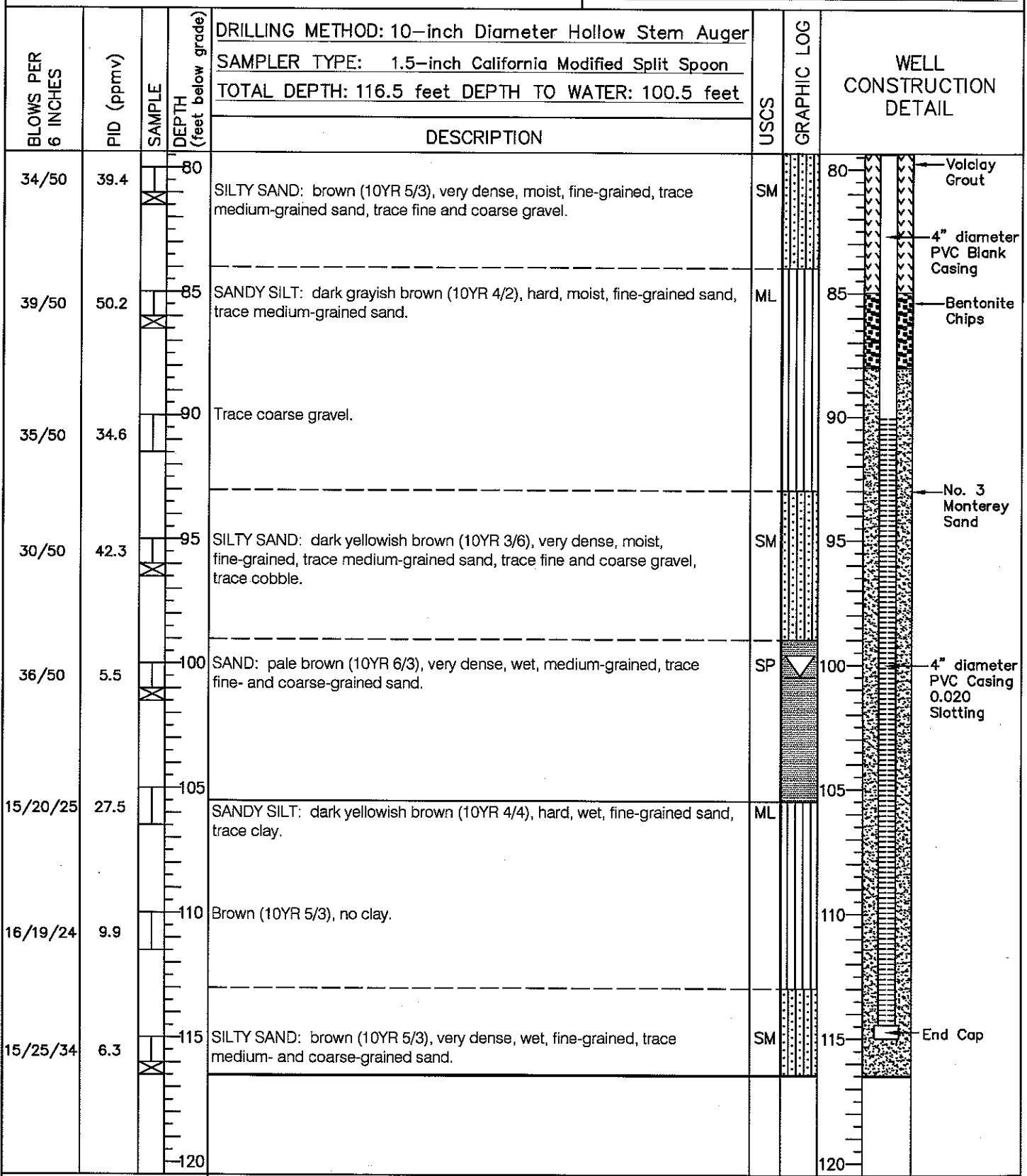
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LOG OF EXPLORATORY BORING

MW-1A

PAGE 2 OF 3

PROJECT NO.: 20-0948	DATE DRILLED: August 18, 2005
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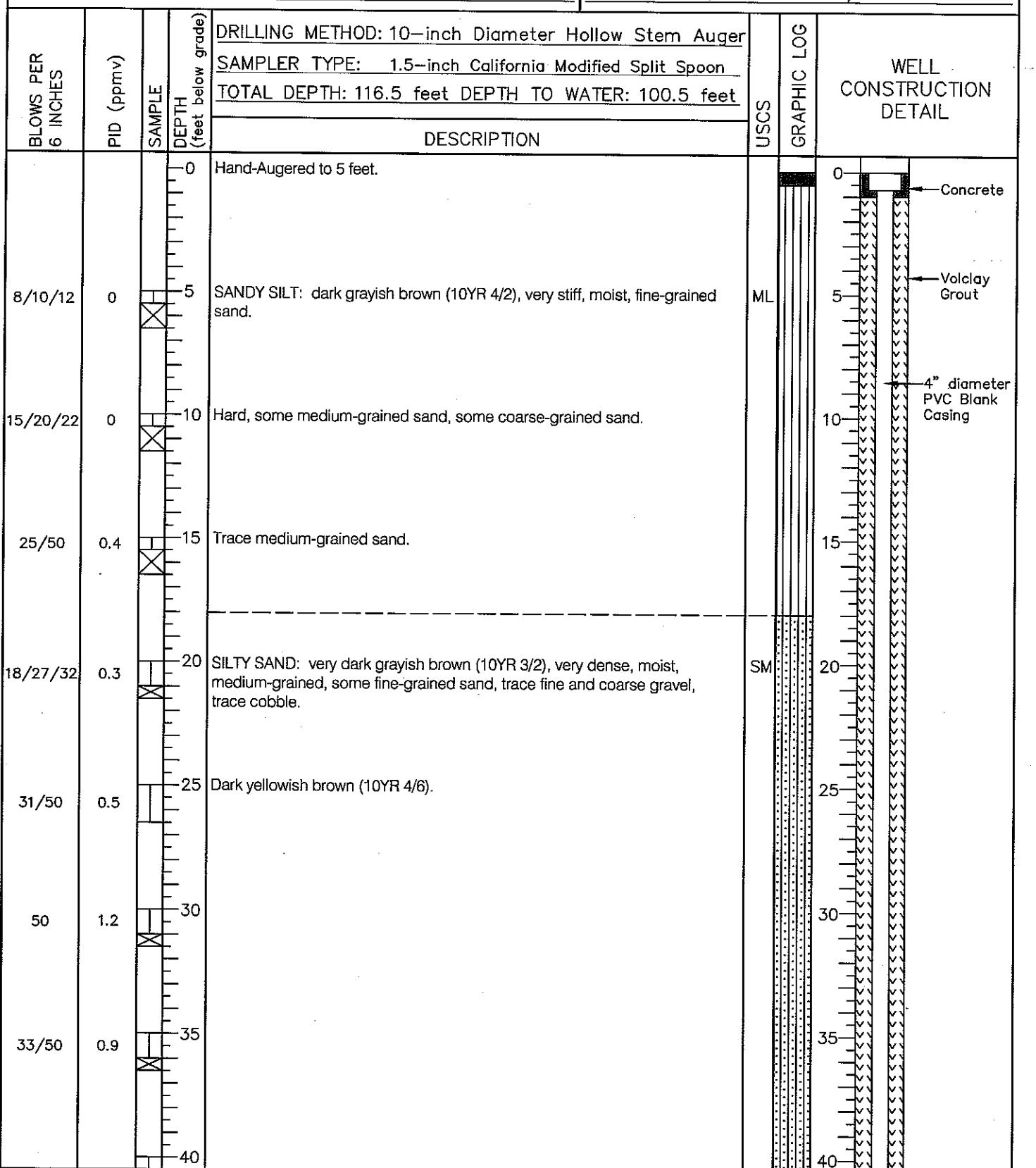
TRC

LOG OF EXPLORATORY BORING

MW-1A

PAGE 3 OF 3

PROJECT NO.: 20-0948			DATE DRILLED:	August 15, 2005
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Glendale, California			DRILLING CO./RIG:	Cascade/CME-85



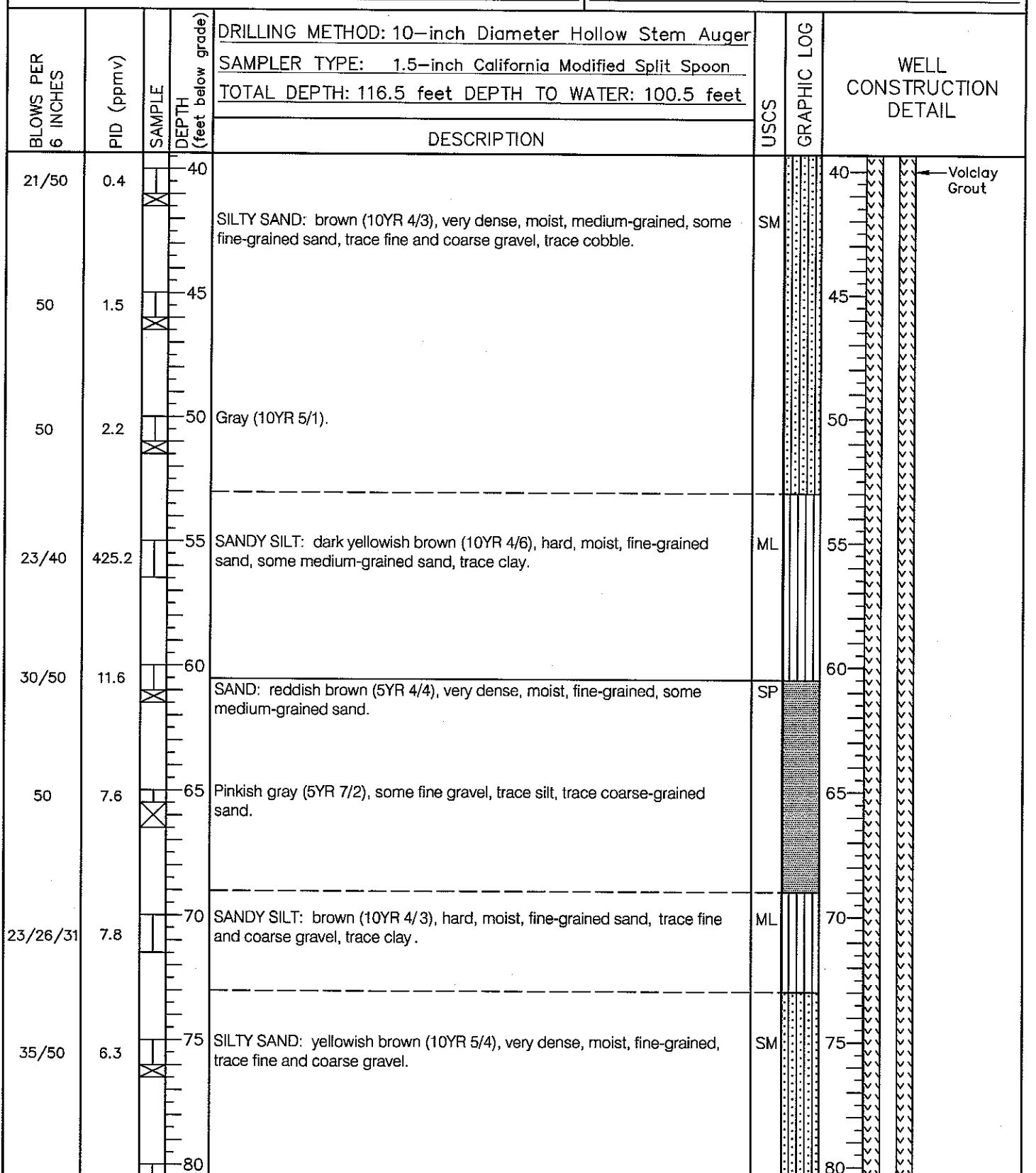
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LOG OF EXPLORATORY BORING

MW-3A

PAGE 1 OF 3

PROJECT NO.: 20-0948	DATE DRILLED: August 15, 2005
LOCATION: Former 76 Station 0353	LOGGED BY: R. Ponce/S. Owens
200 South Central Avenue	APPROVED BY: J. Nordenstam R.G.
Glendale, California	DRILLING CO./RIG: Cascade/CME-85



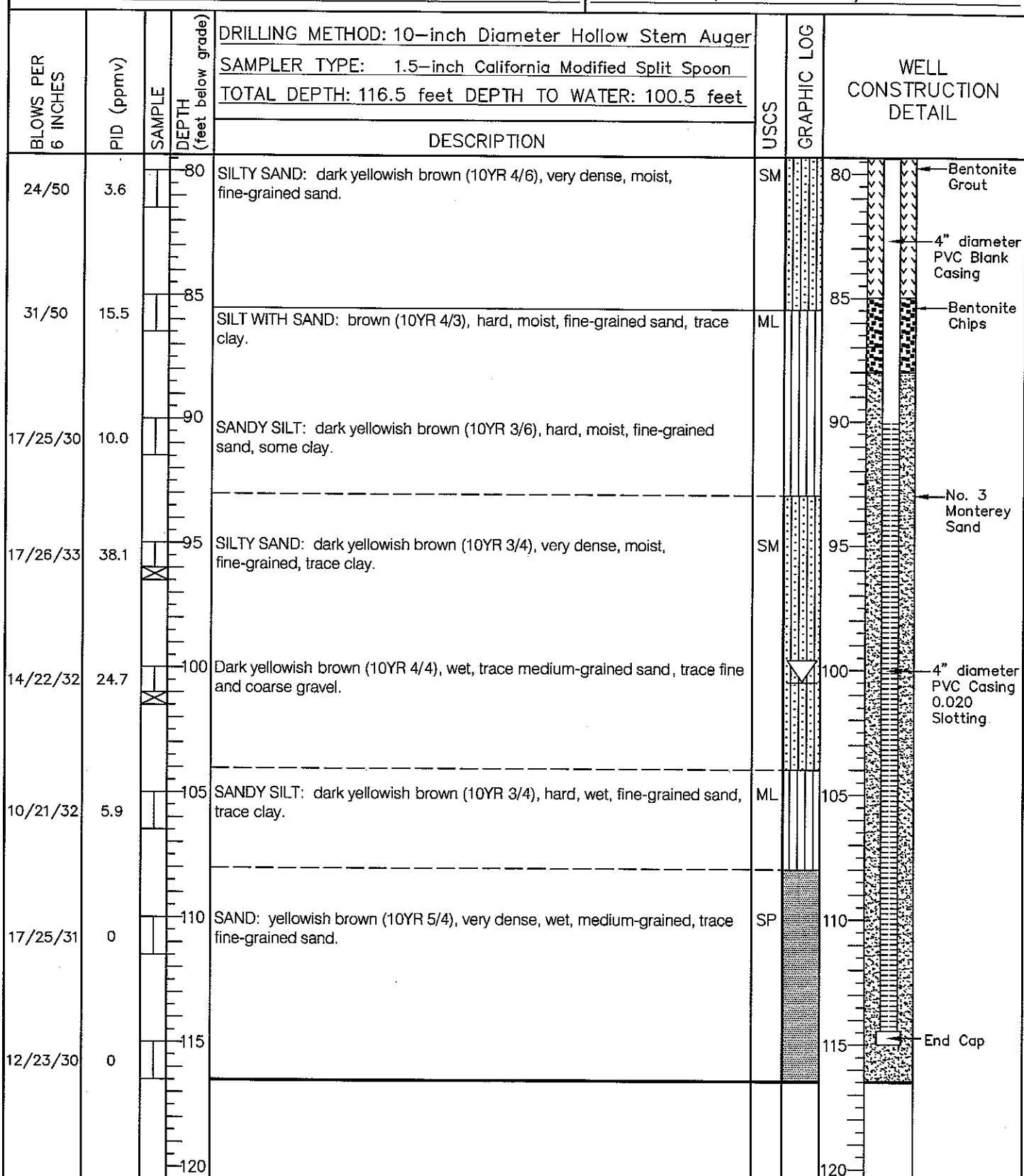
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LOG OF EXPLORATORY BORING

MW-3A

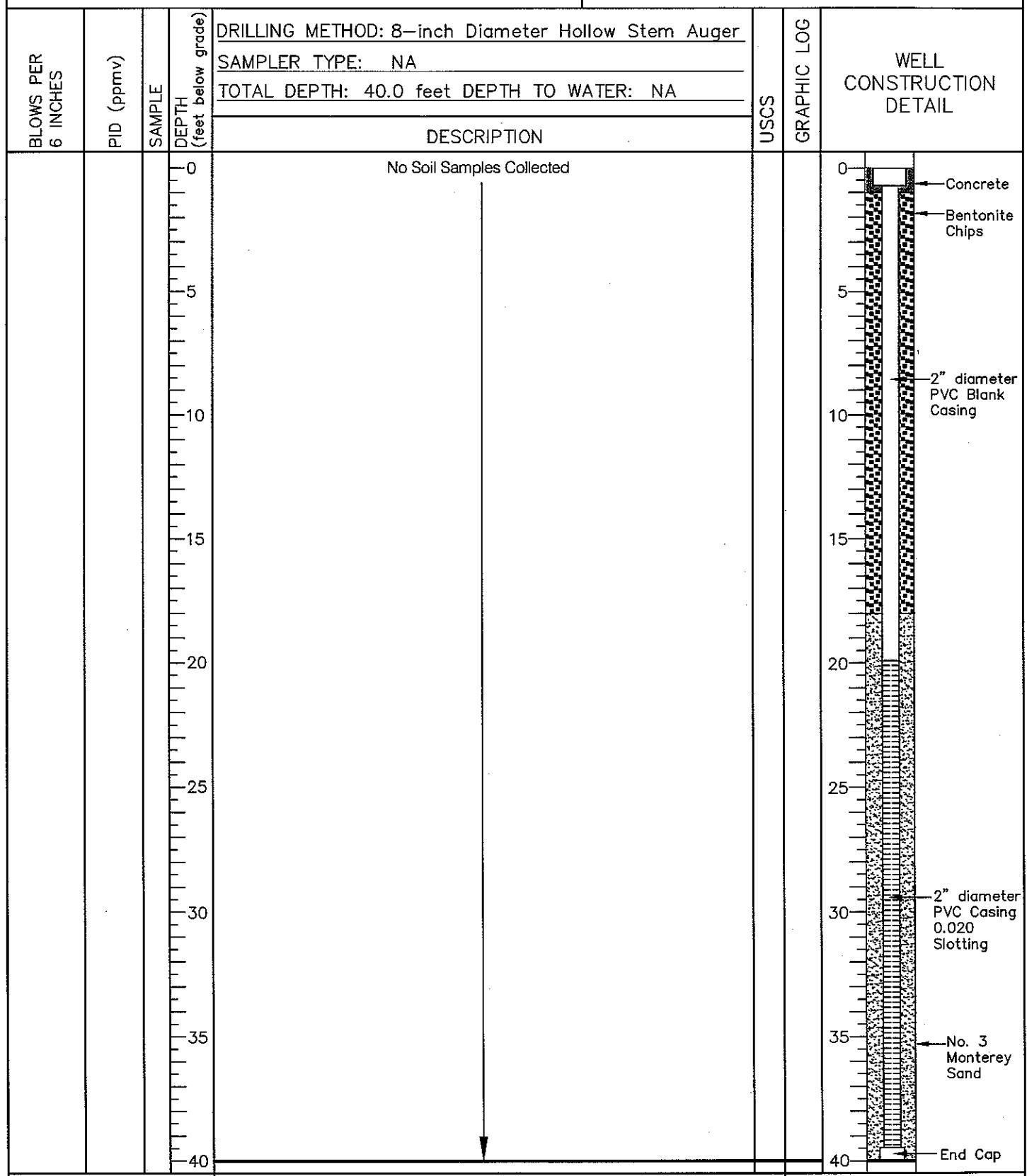
PAGE 2 OF 3

PROJECT NO.: 20-0948				DATE DRILLED:	August 15, 2005
LOCATION: Former 76 Station 0353				LOGGED BY:	R. Ponce/S. Owens
200 South Central Avenue				APPROVED BY:	J. Nordenstam R.G.
Glendale, California				DRILLING CO./RIG:	Cascade/CME-85


TRC
LOG OF EXPLORATORY BORING
MW-3A

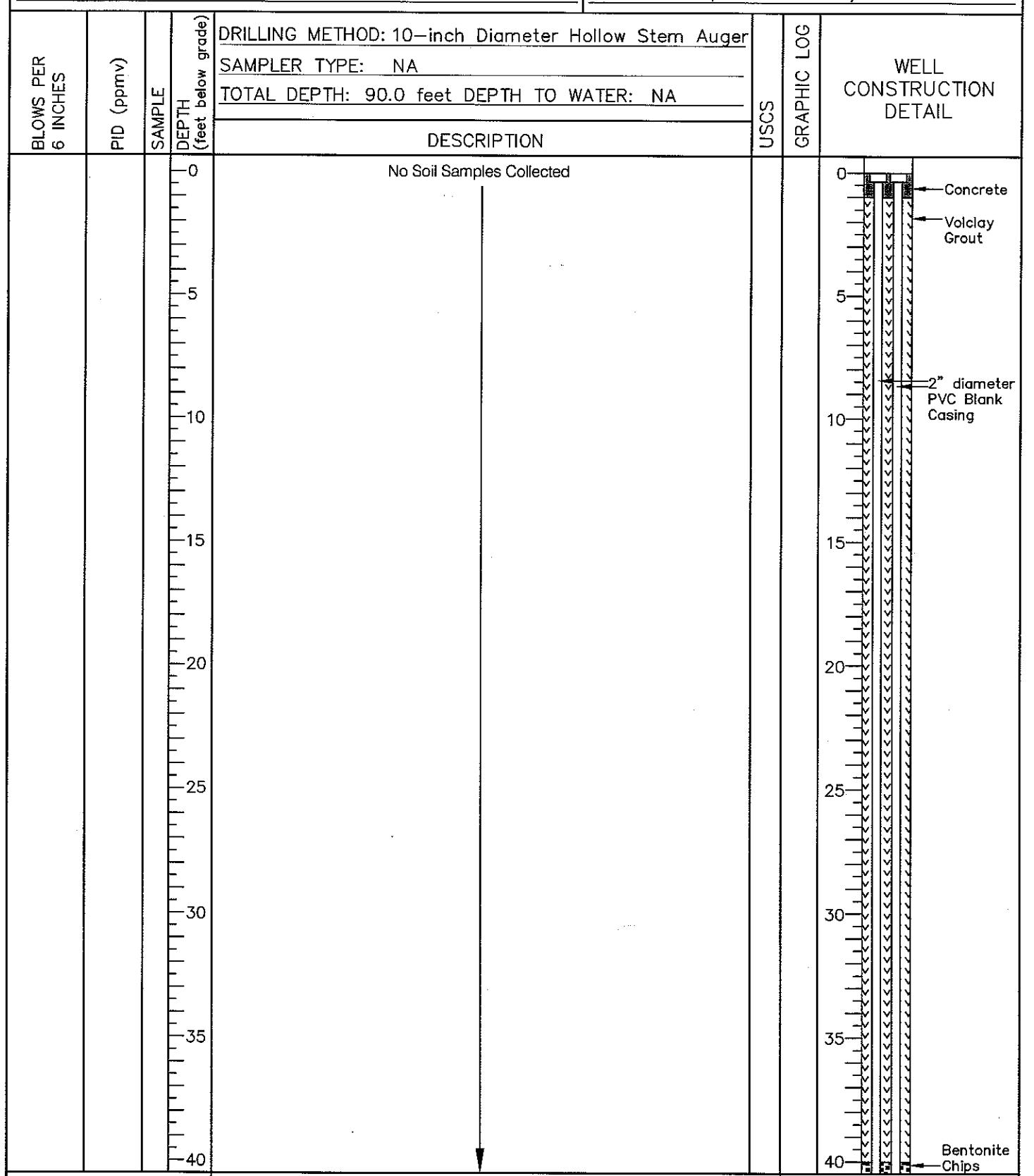
PAGE 3 OF 3

PROJECT NO.: 20-0948	DATE DRILLED: August 17, 2005
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Glendale, California	DRILLING CO./RIG: Cascade/CME-85


TRC
LOG OF EXPLORATORY BORING
VW-1A

PAGE 1 OF 1

PROJECT NO.: 20-0948	DATE DRILLED: August 17, 2005
LOCATION: Former 76 Station 0353	LOGGED BY: R. Ponce/S. Owens
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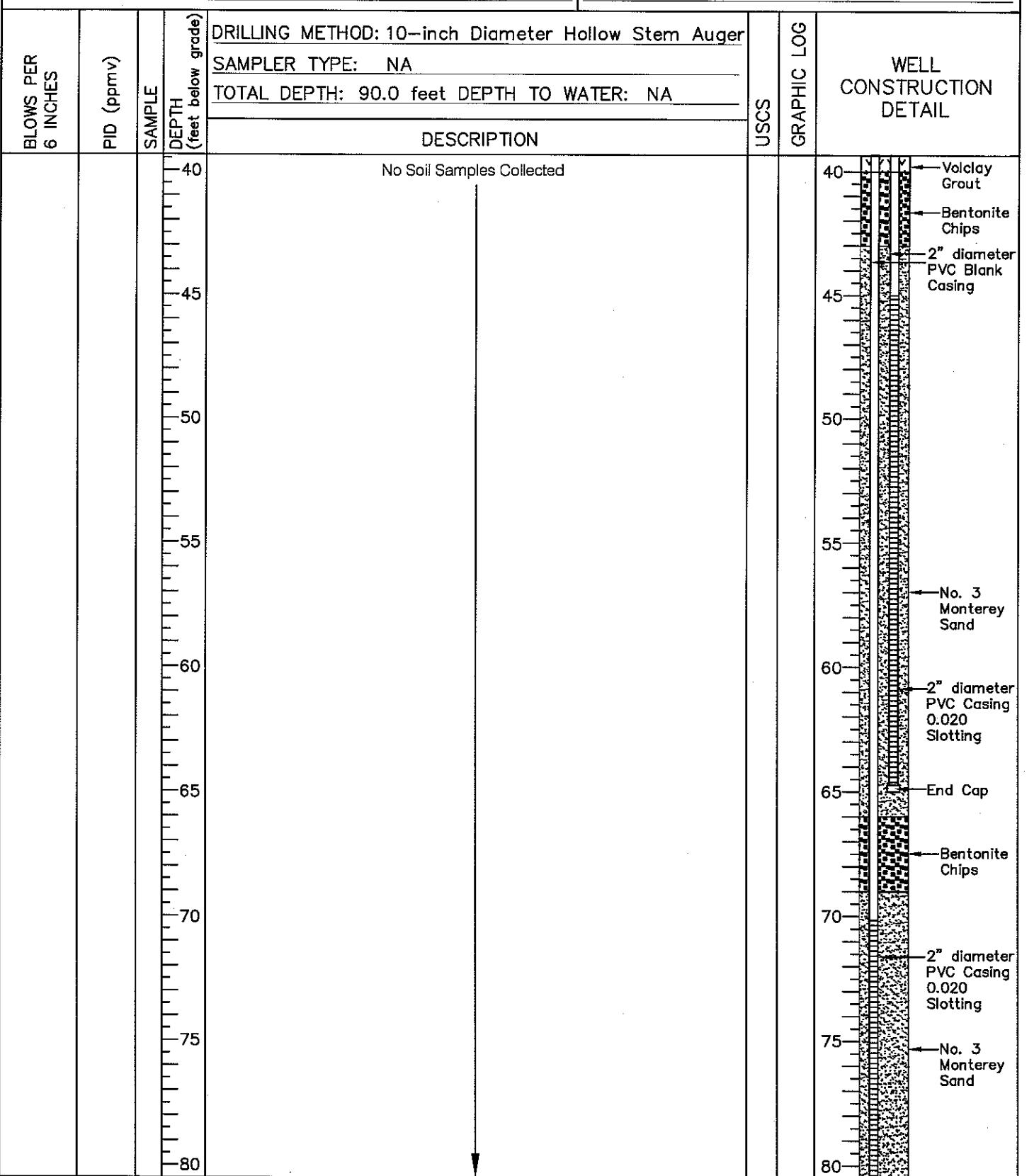


TRC

LOG OF EXPLORATORY BORING

VW-1B/C
PAGE 1 OF 3

PROJECT NO.: 20-0948	DATE DRILLED: August 17, 2005
LOCATION: Former 76 Station 0353	LOGGED BY: R. Ponce/S. Owens
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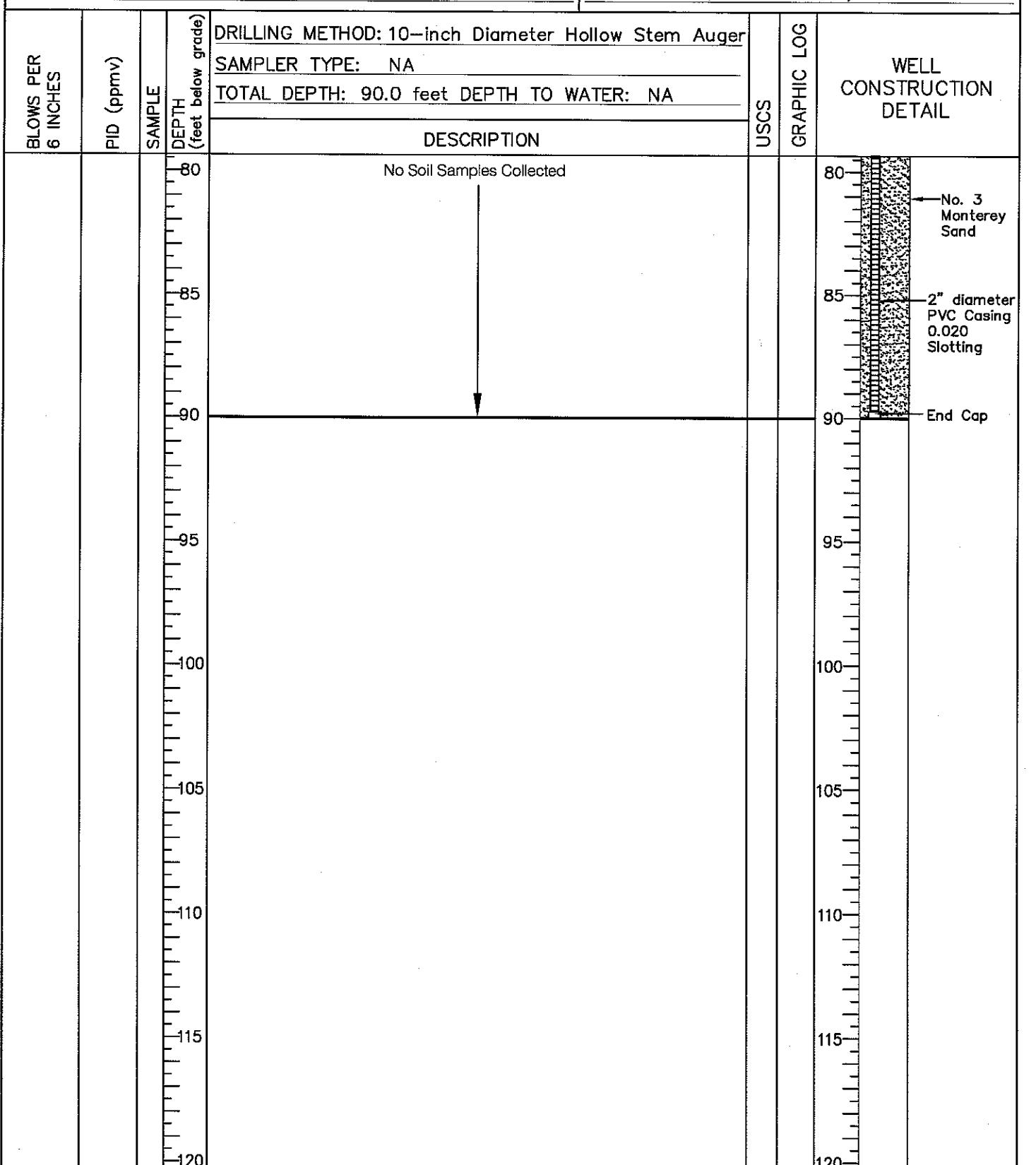


TRC

LOG OF EXPLORATORY BORING

VW-1B/C
PAGE 2 OF 3

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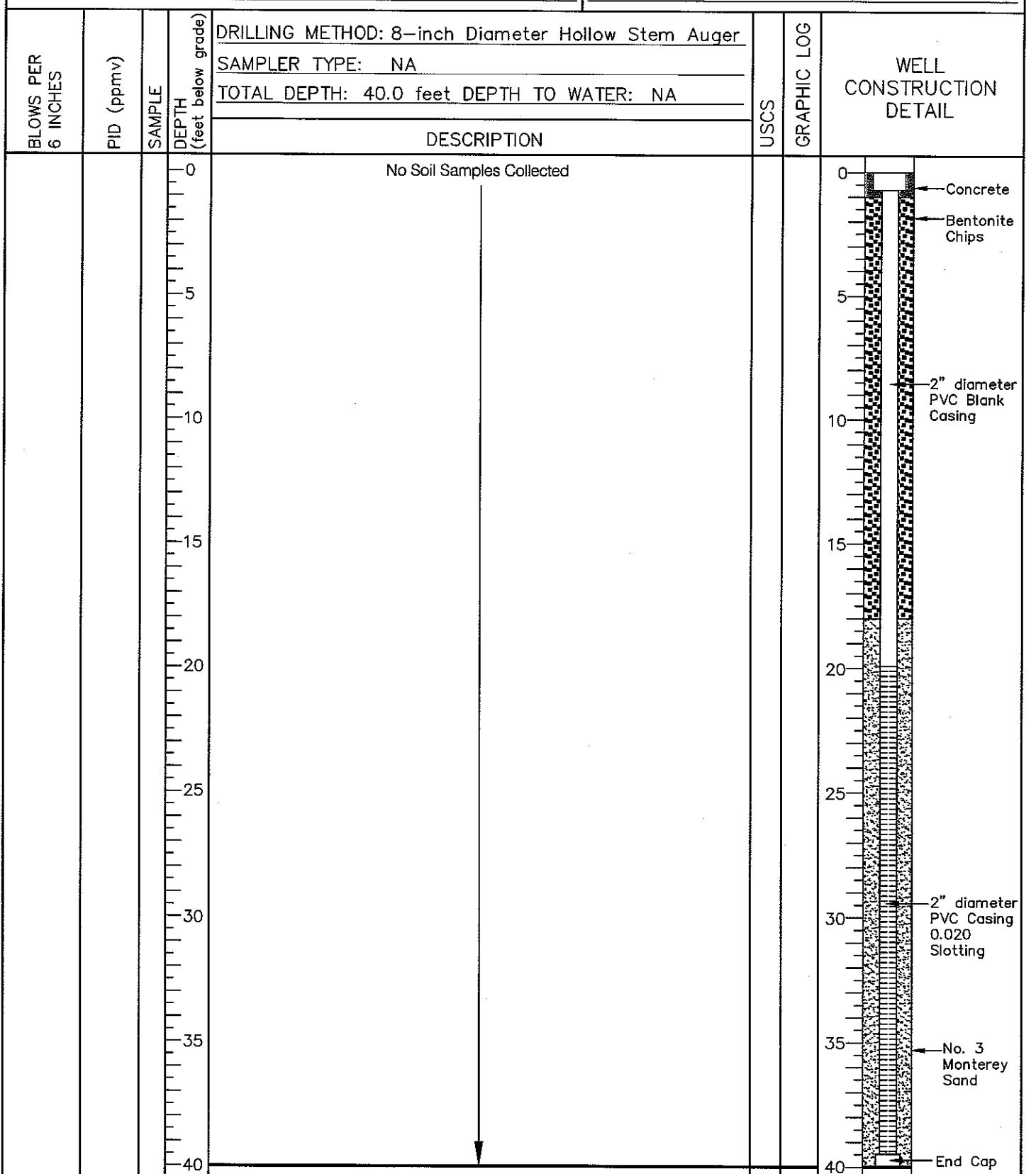


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LOG OF EXPLORATORY BORING

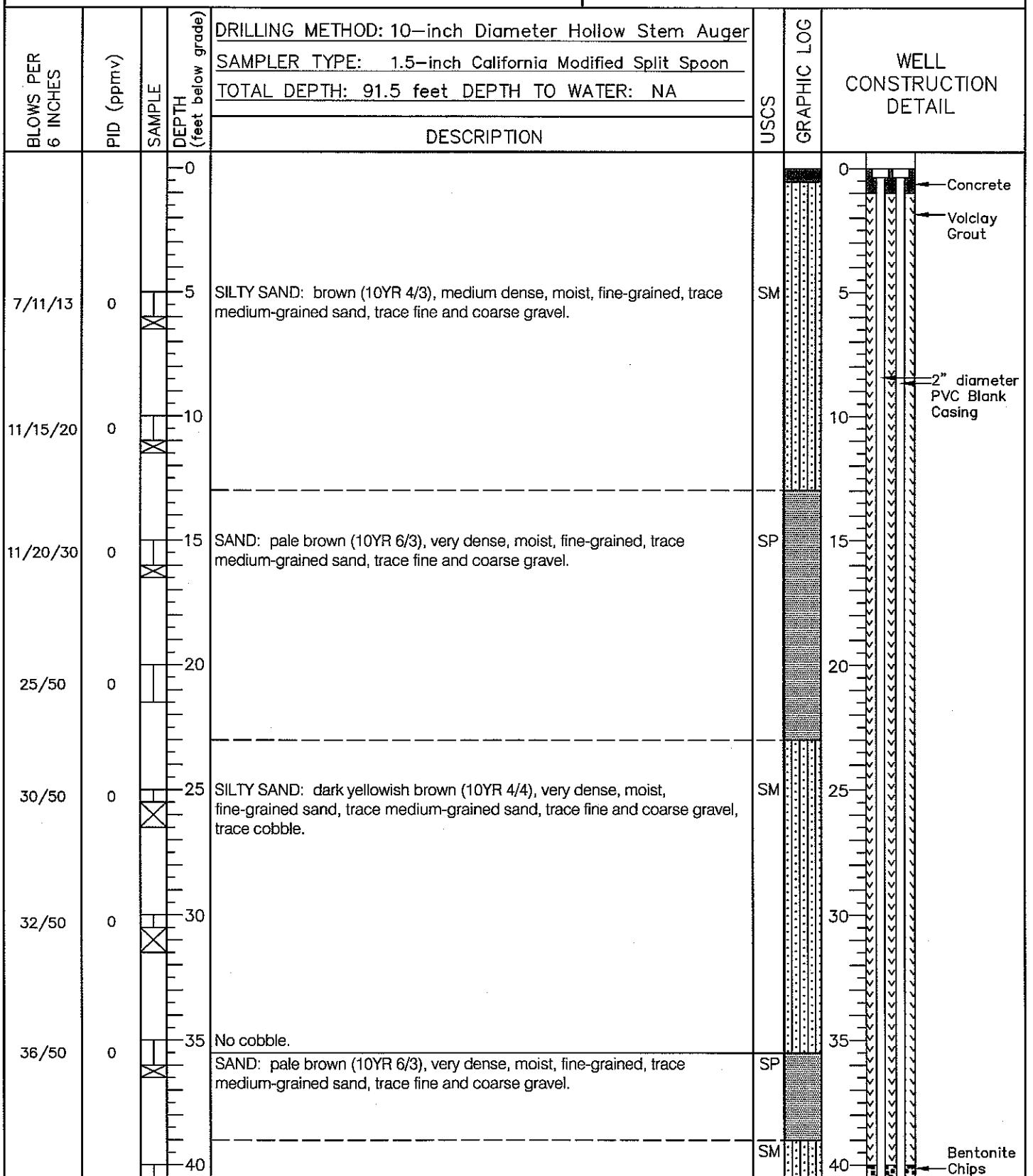
VW-1B/C
PAGE 3 OF 3

PROJECT NO.: 20-0948			DATE DRILLED:	August 16, 2005
LOCATION: Former 76 Station 0353 200 South Central Avenue Glendale, California			LOGGED BY:	R. Ponce/S. Owens
			APPROVED BY:	J. Nordenstam R.G.
			DRILLING CO./RIG:	Cascade/CME-85


TRC
LOG OF EXPLORATORY BORING
VW-2A

PAGE 1 OF 1

PROJECT NO.: 20-0948	DATE DRILLED: August 17, 2005
LOCATION: Former 76 Station 0353	LOGGED BY: R. Ponce/S. Owens
200 South Central Avenue	APPROVED BY: J. Nordenstam R.G.
Glendale, California	DRILLING CO./RIG: Cascade/CME-85

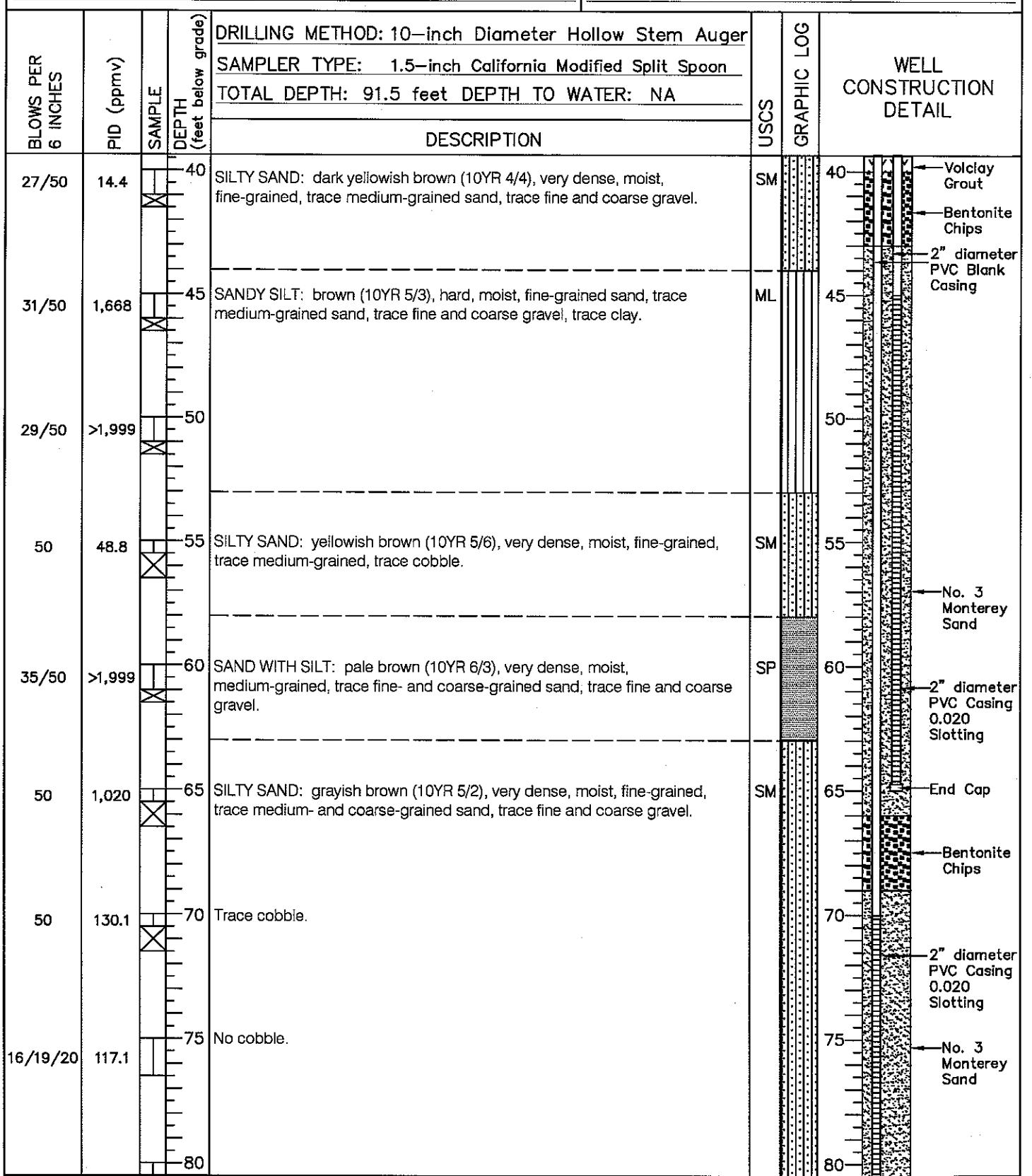


TRC

LOG OF EXPLORATORY BORING

VW-2B/C
PAGE 1 OF 3

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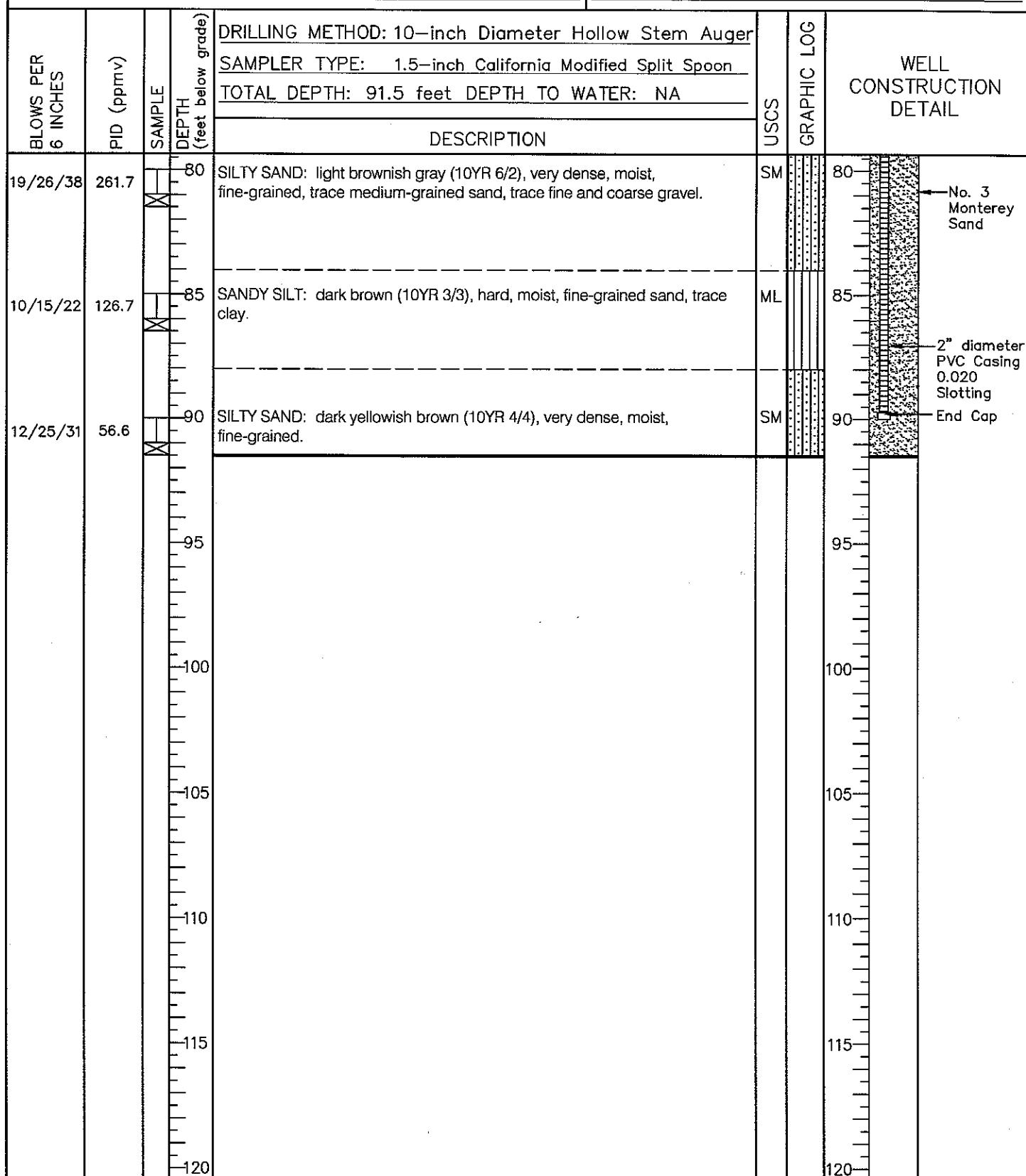


TRC

LOG OF EXPLORATORY BORING

VW-2B/C
PAGE 2 OF 3

PROJECT NO.: 20-0948			DATE DRILLED:	August 17, 2005
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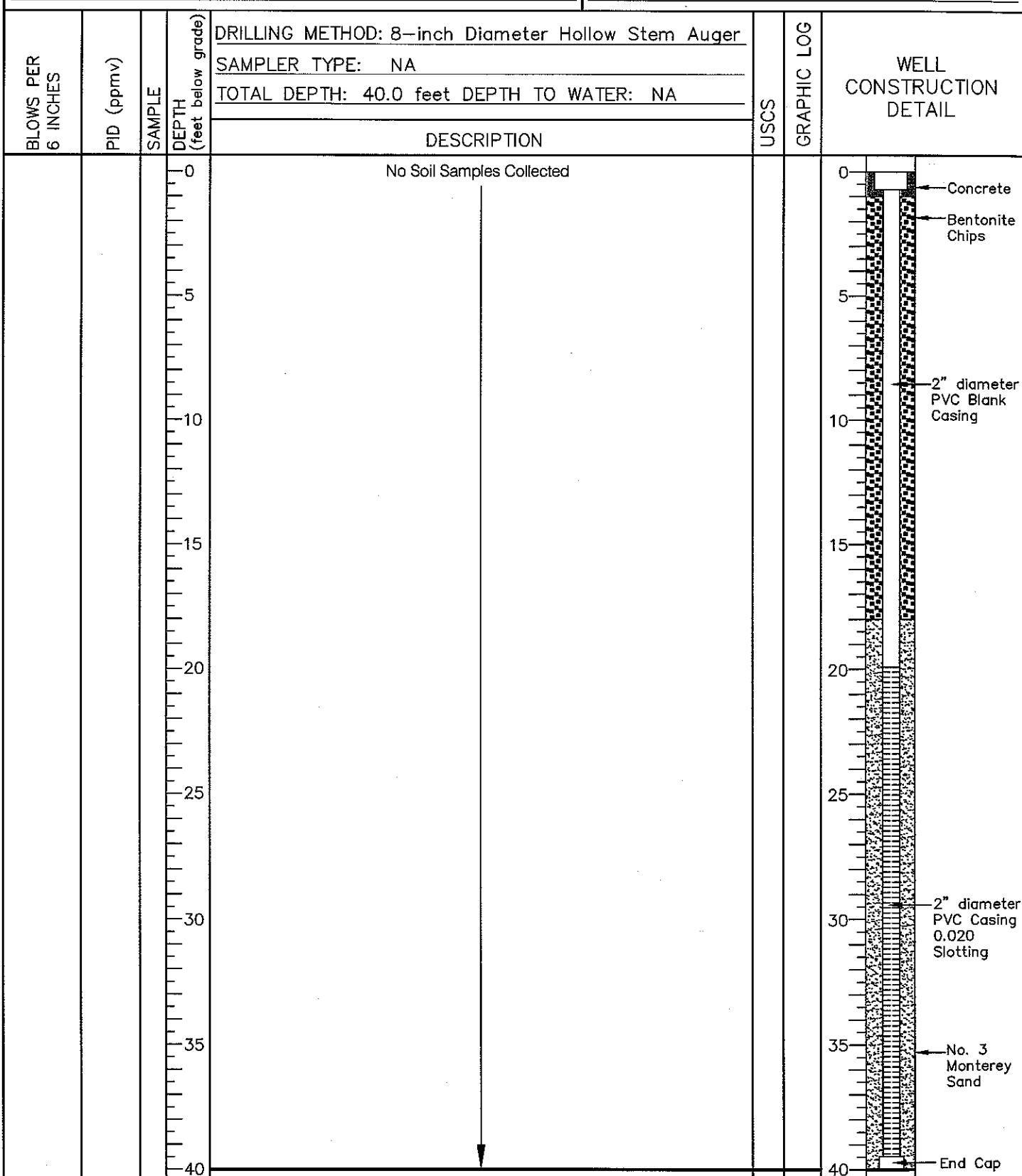


TRC

LOG OF EXPLORATORY BORING

VW-2B/C
PAGE 3 OF 3

PROJECT NO.: 20-0948	DATE DRILLED: August 16, 2005
LOCATION: Former 76 Station 0353	LOGGED BY: R. Ponce/S. Owens
200 South Central Avenue	APPROVED BY: J. Nordenstam R.G.
Glendale, California	DRILLING CO./RIG: Cascade/CME-85

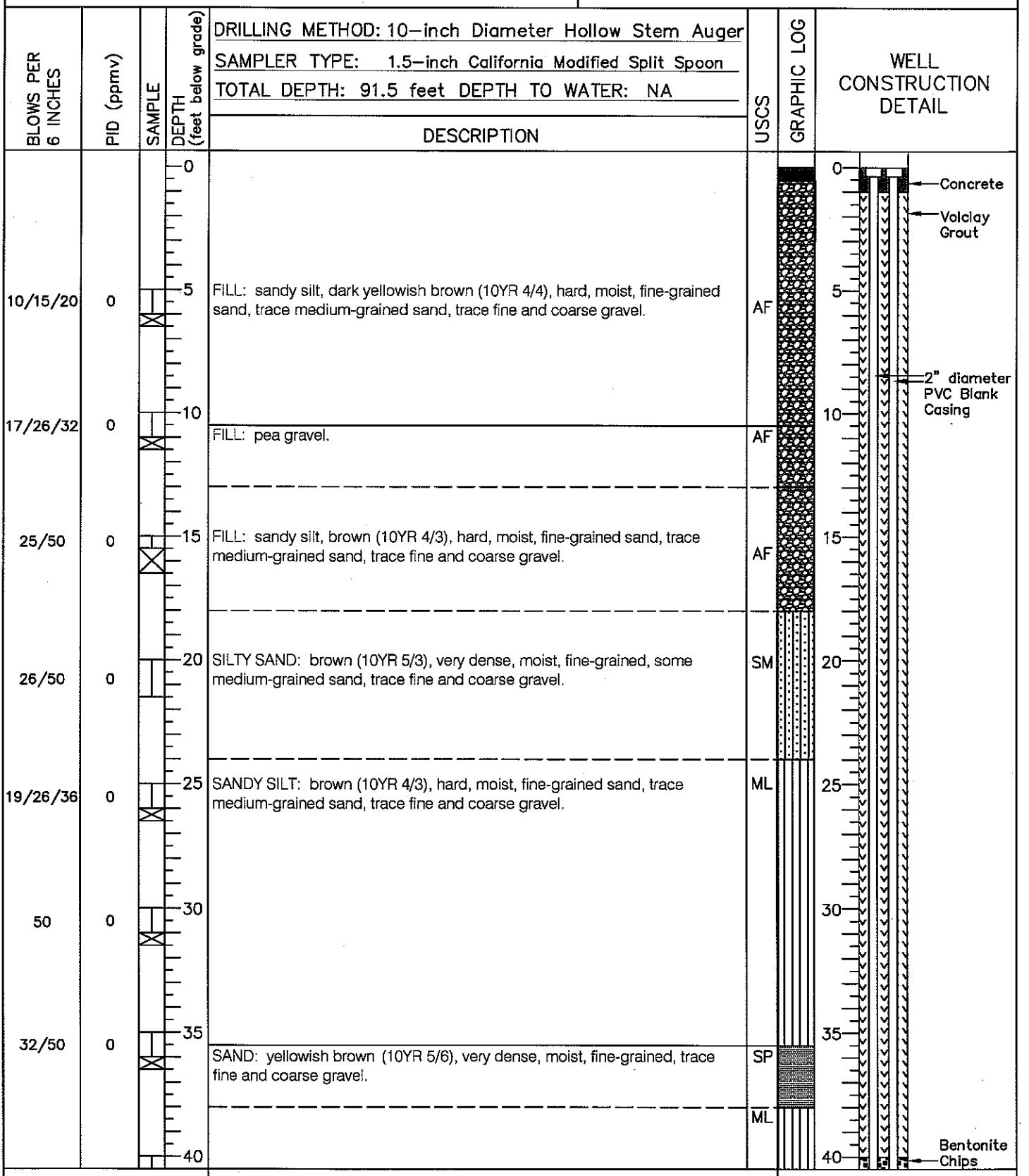

TRC

LOG OF EXPLORATORY BORING

VW-3A

PAGE 1 OF 1

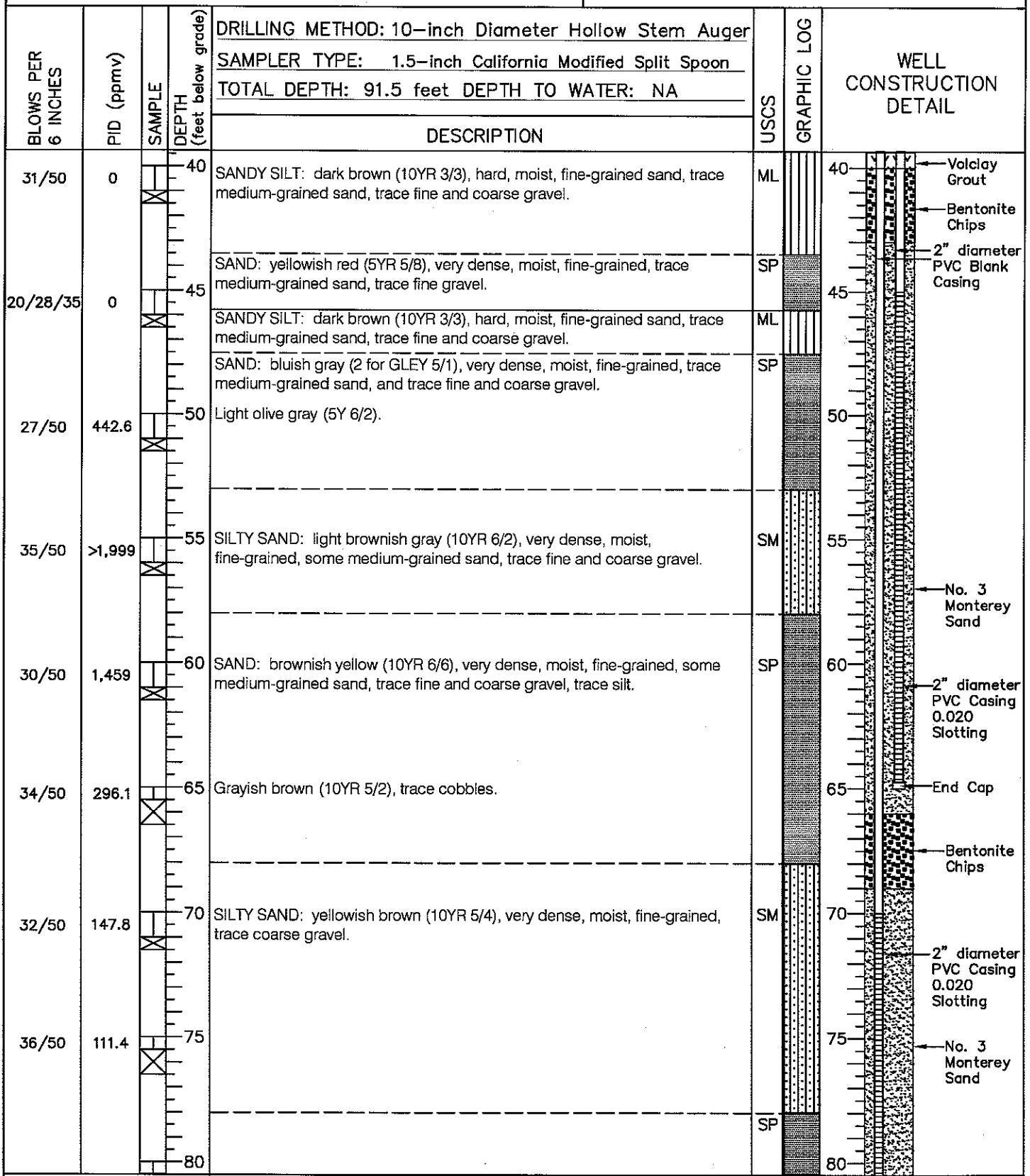
PROJECT NO.: 20-0948	DATE DRILLED: August 16, 2005
LOCATION: Former 76 Station 0353	LOGGED BY: R. Ponce/S. Owens
200 South Central Avenue	APPROVED BY: J. Nordenstam R.G.
Glendale, California	DRILLING CO./RIG: Cascade/CME-85


TRC

LOG OF EXPLORATORY BORING

VW-3B/C
PAGE 1 OF 3

PROJECT NO.: 20-0948				DATE DRILLED:	August 16, 2005
LOCATION: Former 76 Station 0353				LOGGED BY:	R. Ponce/S. Owens
200 South Central Avenue				APPROVED BY:	J. Nordenstam R.G.
Glendale, California				DRILLING CO./RIG:	Cascade/CME-85

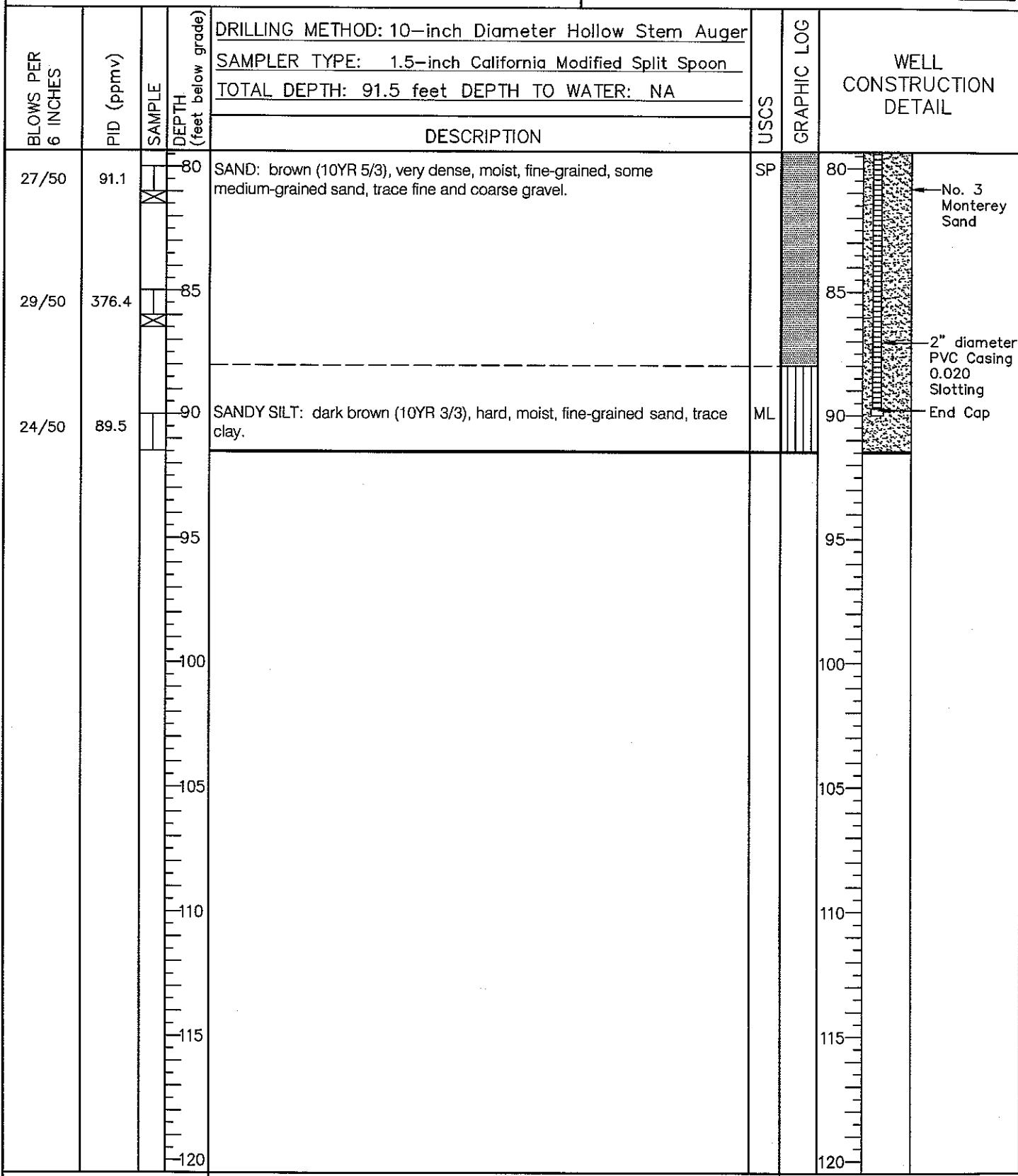


TRC

LOG OF EXPLORATORY BORING

VW-3B/C
PAGE 2 OF 3

PROJECT NO.: 20-0948	DATE DRILLED: August 16, 2005
LOCATION: Former 76 Station 0353	LOGGED BY: R. Ponce/S. Owens
200 South Central Avenue	APPROVED BY: J. Nordenstam R.G.
Glendale, California	DRILLING CO./RIG: Cascade/CME-85



TRC

LOG OF EXPLORATORY BORING

VW-3B/C
PAGE 3 OF 3

PROJECT NO.: 20-0948

DATE DRILLED: August 18, 2005

LOCATION: Former 76 Station 0353

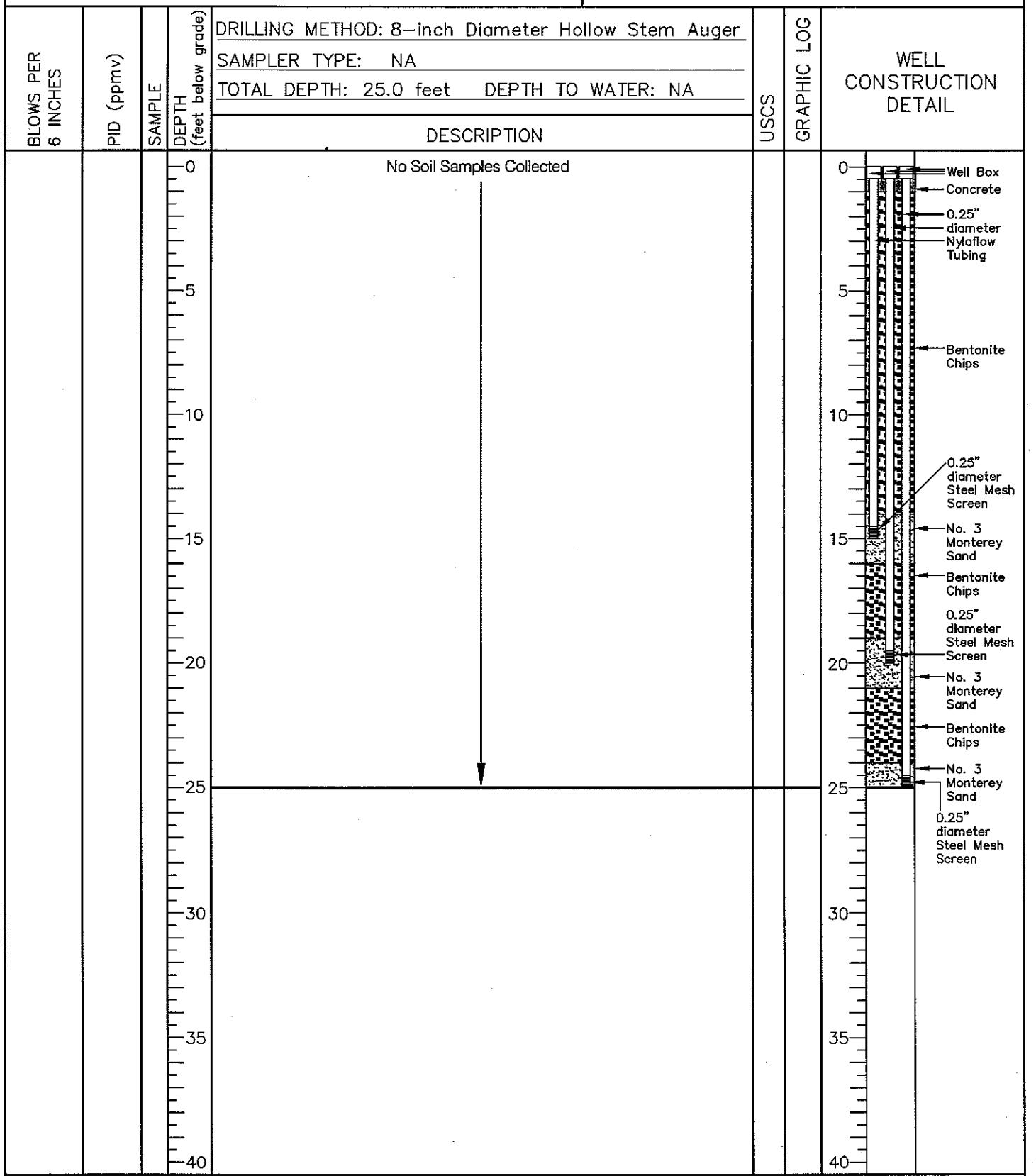
LOGGED BY: R. Ponce/S. Owens

200 South Central Avenue

APPROVED BY: J. Nordenstam R.G.

Glendale, California

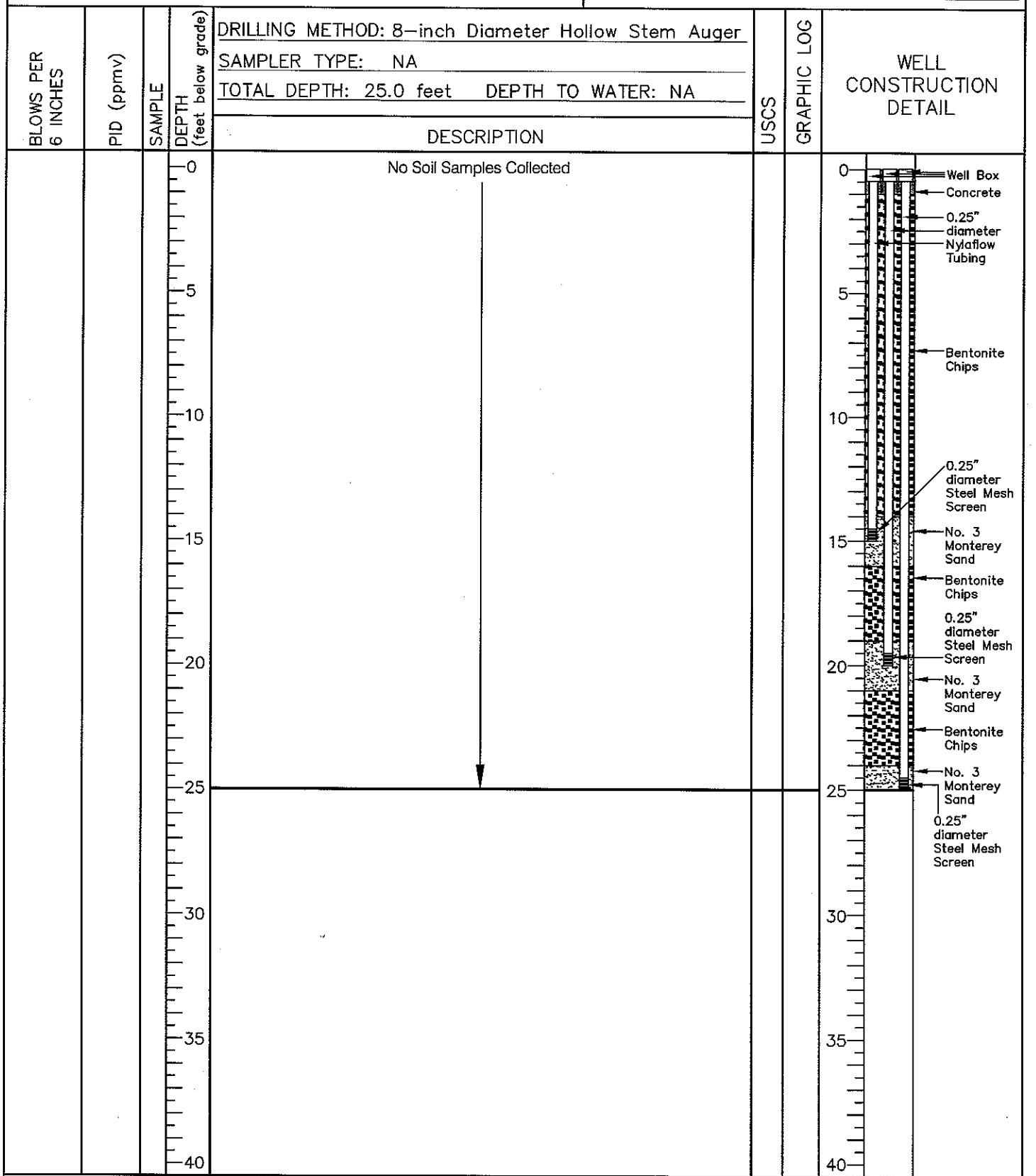
DRILLING CO./RIG: Cascade/CME-85

**TRC****LOG OF EXPLORATORY BORING****SG-1**

PAGE 1 OF 1

PROJECT NO.: 20-0948
 LOCATION: Former 76 Station 0353
 200 South Central Avenue
 Glendale, California

DATE DRILLED: August 19, 2005
 LOGGED BY: R. Ponce/S. Owens
 APPROVED BY: J. Nordenstam R.G.
 DRILLING CO./RIG: Cascade/CME-85



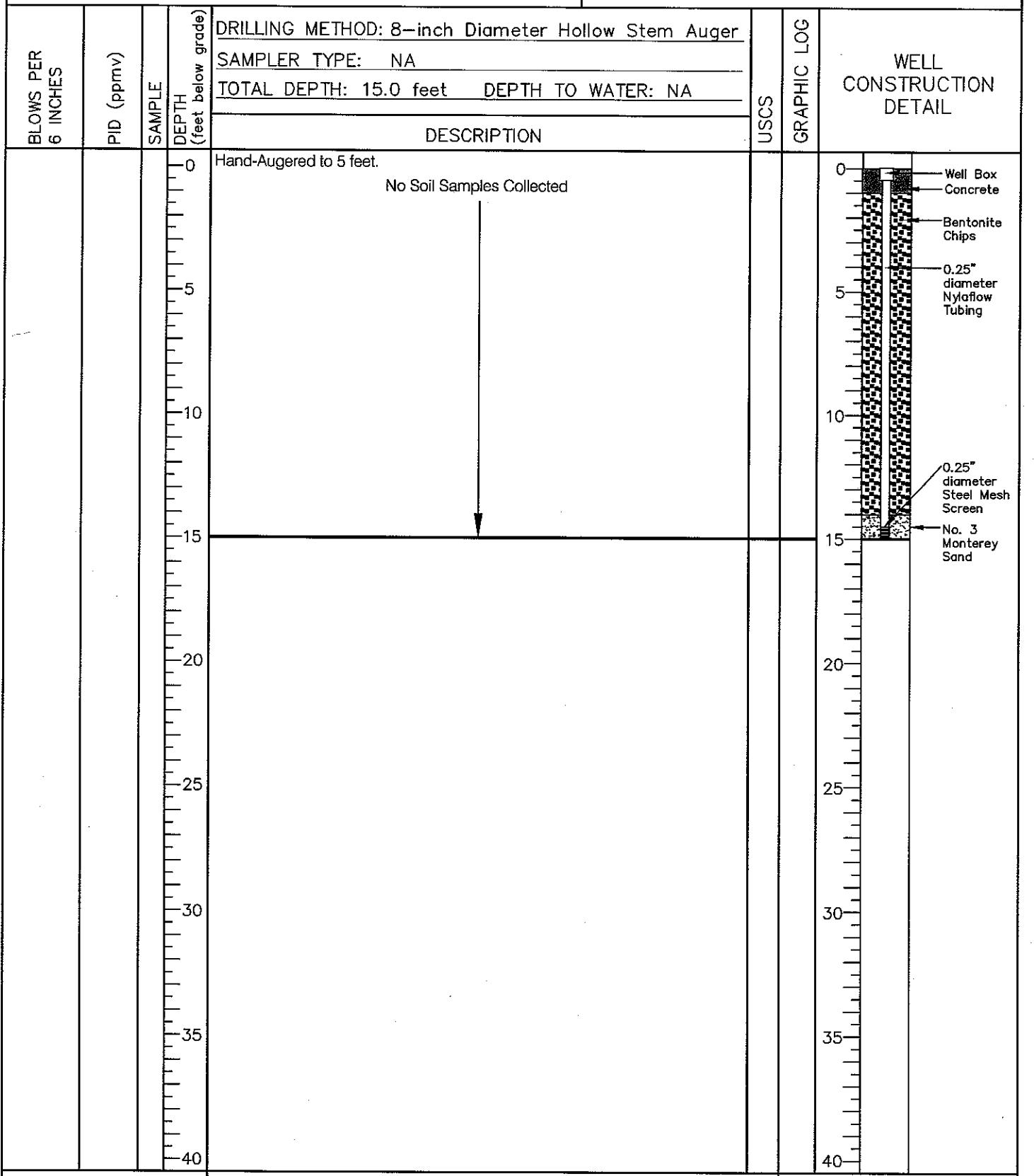
TRC

LOG OF EXPLORATORY BORING

SG-2

PAGE 1 OF 1

PROJECT NO.: 20-0948	DATE DRILLED: August 19, 2005
LOCATION: Former 76 Station 0353	LOGGED BY: R. Ponce/S. Owens
200 South Central Avenue	APPROVED BY: J. Nordenstam R.G.
Glendale, California	DRILLING CO./RIG: Cascade/CME-85



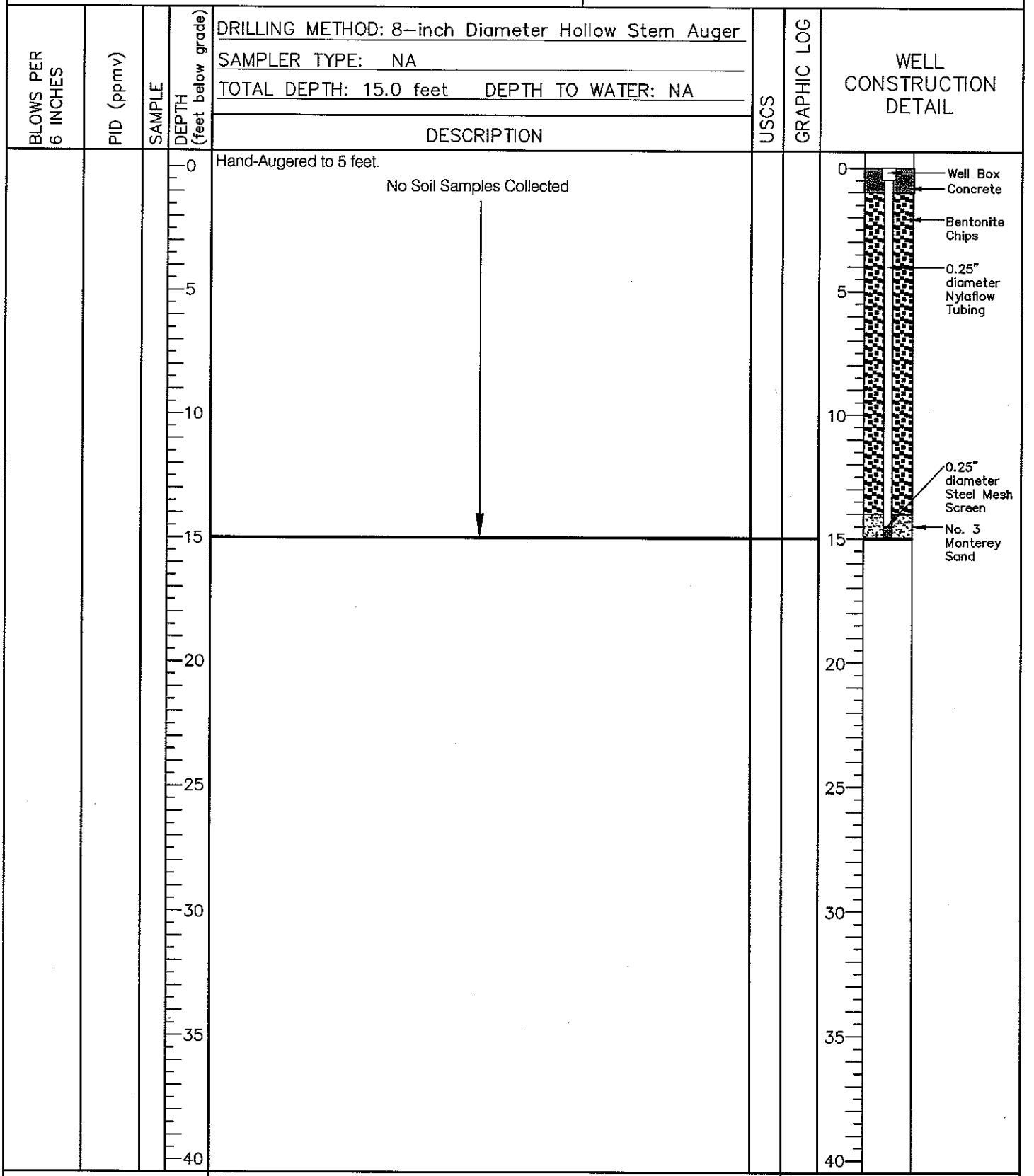
TRC

LOG OF EXPLORATORY BORING

SG-3

PAGE 1 OF 1

PROJECT NO.: 20-0948	DATE DRILLED: August 19, 2005
LOCATION: Former 76 Station 0353	LOGGED BY: R. Ponce/S. Owens
200 South Central Avenue	APPROVED BY: J. Nordenstam R.G.
Glendale, California	DRILLING CO./RIG: Cascade/CME-85



TRC

LOG OF EXPLORATORY BORING

SG-4

PAGE 1 OF 1

William A. Teipe & Associates, Inc.

3164 East La Palma Avenue - Suite C
Anaheim, California 92806-2811
(714) 630-3312
Fax (714) 630-9077

September 13, 2005

Mr. Robert Ponce
TRC Solutions Inc.
21 Technology Drive
Irvine, CA 92618

Re: **Former 76 Station 0353**
200 South Central Ave.
Glendale, California

Dear Mr. Ponce:

Locations and elevations of Monitoring Wells **MW-1 thru MW-9** at the subject location have been determined by field survey. Locations at the northern rims of Vapor Recovery Wells **VW-1 thru VW-3** have been determined by field survey.

Elevations are based on: City of Glendale benchmark designated TB353-099 (NGVD29, 2004 Adj); being a round head nail in lead at the southerly head wall of a catch basin along the western curb of Central Ave., located 60 feet northerly of the projection of the center line of Harvard St.; elevation being 517.814 feet.

Horizontal Coordinates are based on the following: West curb face of South Central Ave. is assumed running north-south, with the north top of apron of the north-west handicap ramp at the intersection of Harvard St. and South Central Ave. assumed to be N1000, E1000.

<u>MONITORING WELL</u>	<u>NORTHING</u>	<u>EASTING</u>	<u>ELEVATION TOP OF CASING</u>	<u>ELEVATION TOP OF RIM</u>
MW-1A	877.15	1122.41	517.74	518.26
MW-2	903.06	1149.63	517.78	518.30
MW-3A	885.90	1088.36	517.10	517.54
MW-4	813.08	1090.56	516.50	516.99
MW-5	757.43	1108.72	515.80	516.27
MW-6	942.22	1103.18	517.35	517.92
MW-7	917.02	1029.82	516.88	517.25
MW-8	865.13	1030.70	516.26	516.61
MW-9	796.09	1029.09	515.58	515.86
VW-1A	871.44	1123.25	N.A.	518.47
VW-1B, 1C	874.07	1119.04	N.A.	517.98
VW-2A	863.49	1104.48	N.A.	517.21
VW-2B, 2C	867.64	1099.74	N.A.	517.32
VW-3A	884.72	1097.52	N.A.	517.12

<u>MONITORING WELL</u>	<u>NORTHING</u>	<u>EASTING</u>	<u>ELEVATION TOP OF CASING</u>	<u>ELEVATION TOP OF RIM</u>
VW-3B, 3C	890.02	1098.35	N.A.	516.89

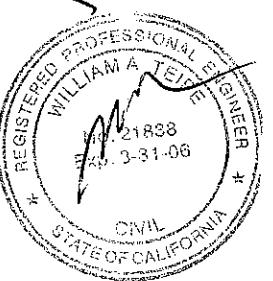
Elevations shown for Top of Casings are on notches on the north edge of casing walls, and elevations for Top of Rims are on the north edge of well rims. Please call if you have any questions.

Very truly yours,



William A. Teipe, P.E.

File: 2513Z



Additional Site Assessment Report

Former 76 Station 0353

December 23, 2005

APPENDIX B

**OFFICIAL LABORATORY REPORTS AND
CHAIN OF CUSTODY RECORDS**



Date of Report: 01/03/2006

John Nordenstam

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302
RE: 0353
BC Lab Number: 0508105

Enclosed are the results of analyses for samples received by the laboratory on 08/15/05 21:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Vanessa Hooker".

Contact Person: Vanessa Hooker
Client Service Rep

Authorized Signature

A handwritten signature in black ink, appearing to read "S".



Chain of Custody Form

PLEASE COMPLETE
BCI QUOTE ID:

Report To:	Client: <u>TRC</u>	Project #: <u>20094806</u>		
Attn: <u>John Nordstrom</u>	Project Name: <u>Burner No 355</u>	Project Code: <u>0355</u>		
Street Address: <u>21 Technology Dr.</u>	City, State, Zip: <u>Tracy, CA 95376</u>	Phone: <u>(925) 473-0101</u> Fax: <u>(925) 473-6111</u>		
Email Address: <u>TRC-OS-8105</u>	Submittal #: <u>TRC-OS-8105</u>			
Sample #	Description	Date Sampled	Time Sampled	Comments:
-1	MW-3A Q 5.5'	8/15/05	0842	Fuel Oil's = MTE, TAME, DTE, ETBE, TBA, Ethanol
-2	MW-3A Q 10.5'	8/15/05	0844	
-3	MW-3A Q 15.5'	8/15/05	0848	
-4	MW-3A Q 21.0'	8/15/05	0851	
-5	MW-3A Q 26.5'	8/15/05	0908	
-6	MW-3A Q 31.0'	8/15/05	0911	
-7	MW-3A Q 36.0'	8/15/05	0915	
-8	MW-3A Q 41.0'	8/15/05	0920	
-9	MW-3A Q 46.0'	8/15/05	0923	
-10	MW-3A Q 51.0'	8/15/05	0929	
-11	MW-3A Q 56.5'	8/15/05	0936	
-12	MW-3A Q 61.0'	8/15/05	0943	
-13	MW-3A Q 65.5'	8/15/05	0950	
-14	MW-3A Q 71.5'	8/15/05	1012	
Billing Client: <u>Conoco Phillips</u>		<input type="checkbox"/> Same as above		Report Drinking Waters on State Form?
Address: <u>3611 S. Harbor Blvd. STE 200</u>		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive: Months
City: <u>Santa Ana</u> State: <u>CA</u> Zip: <u>92704</u>		<input type="checkbox"/> Send Copy to State of CA?		<input type="checkbox"/> Relinquished By <u>Sophia</u> Date <u>8/15/05</u> Time <u>10:05</u>
Attn: <u>Shari London</u>		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Relinquished By <u>Shari London</u> Date <u>8/15/05</u> Time <u>10:05</u>
PO#: <u>4711726005</u>				<input type="checkbox"/> Relinquished By <u>Shari London</u> Date <u>8/15/05</u> Time <u>10:05</u>

Analysis Requested

49435

Page 1 of 2

Comments:

Fuel Oil's = MTE, TAME, DTE,
ETBE, TBA, Ethanol

Are there any tests with holding times less than or equal to 48 hours?

Yes No

* Standard Turnaround = 15 work days

Notes

Sample Matrix	
# of work days	Turnaround
Ground Water	Drinking Water
Soil	Sludge
Other	

Special Reporting	
<input type="checkbox"/> ac	<input type="checkbox"/> WIP
<input type="checkbox"/> Disposal	<input type="checkbox"/> Raw Data
<input type="checkbox"/> Return to Client	
1. Relinquished By <u>Sophia</u>	Date <u>8/15/05</u> Time <u>10:05</u>
2. Relinquished By <u>Shari London</u>	Date <u>8/15/05</u> Time <u>10:05</u>
3. Relinquished By <u>Shari London</u>	Date <u>8/15/05</u> Time <u>10:05</u>



Chain of Custody Form

Report To: TRC Client: 20094806

Attn: John Nordstrom Project Name: For your 76 ft tall
 Street Address: 21 Technology Dr. Project Code: 635
 City, State, Zip: Irvine, CA 92618 Sampler(s): Robert Puna
 Phone: (714) 753-0111 Fax: (714) 753-0111 Sean Owners
 Email Address:

Analysis Requested

Comments:
Fuel Oxy's = M13E, TAME, DIPE,
EtBE, TBA, Ethanol

Please refer to the back of this page for compilation
of construction and material
legend.

Fuel Oxy's (8266B)
BTEX (8266B)
TPH-C (8266B)

Sample #	Description	Date Sampled	Time Sampled
-15	MW-3A @ 76.0'	8/15/05	10:23
-16	MW-3A @ 81.5'	8/15/05	10:49
-17	MW-3A @ 86.5'	8/15/05	10:58
-18	MW-3A @ 91.5'	8/15/05	11:34
-19	MW-3A @ 96.0'	8/15/05	12:02
-20	MW-3A @ 101.0'	8/15/05	12:07
-21	MW-3A @ 106.5'	8/15/05	13:23
-22	MW-3A @ 111.5'	8/15/05	13:37
-23	MW-3A @ 116.5'	8/15/05	13:39

Sample Matrix	Are there any tests with holding times less than or equal to 48 hours?	
	<input type="checkbox"/> Yes	<input type="checkbox"/> No
# of work days	* Standard Turnaround = 15 work days	
	Turnaround	Notes
Soil	Ground Water	Drinking Water
Surface Water	Ground Water	Drinking Water
Other	Other	Other

<input type="checkbox"/> Same as above	Report Drinking Waters on State Form?	<input type="checkbox"/> Return to Client	<input type="checkbox"/> Disposal by lab	<input type="checkbox"/> Archive	Months	<input type="checkbox"/> QC	<input type="checkbox"/> WIP	<input type="checkbox"/> Raw Data
<u>Carrie Phillips</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<u>1. Received By</u>					
Client: <u>Cell 11 S. Harbor Blvd. STE 200</u>			Date	Time	<u>1. Received By</u>			
Address: <u>South Area</u>	Send Copy to State of CA?		<u>Sept 2005</u>	<u>1405</u>	<u>1. Received By</u>			
City: <u>South Area</u>			<u>9/15/05</u>	<u>2045</u>	<u>2. Received By</u>			
Attn: <u>Shari London</u>			Date	Time	<u>2. Received By</u>			
PO#: <u>47117DC005</u>			<u>8/15/05</u>	<u>1605</u>	<u>3. Received By</u>			

<input type="checkbox"/> Billing	<input type="checkbox"/> Same as above	Report Drinking Waters on State Form?	<input type="checkbox"/> Return to Client	<input type="checkbox"/> Disposal by lab	<input type="checkbox"/> Archive	Months	<input type="checkbox"/> QC	<input type="checkbox"/> WIP	<input type="checkbox"/> Raw Data
<u>Carrie Phillips</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<u>1. Received By</u>						
Client: <u>Cell 11 S. Harbor Blvd. STE 200</u>			Date	Time	<u>1. Received By</u>				
Address: <u>South Area</u>	Send Copy to State of CA?		<u>Sept 2005</u>	<u>1405</u>	<u>1. Received By</u>				
City: <u>South Area</u>			<u>9/15/05</u>	<u>2045</u>	<u>2. Received By</u>				
Attn: <u>Shari London</u>			Date	Time	<u>2. Received By</u>				
PO#: <u>47117DC005</u>			<u>8/15/05</u>	<u>1605</u>	<u>3. Received By</u>				

Submission #: 05-8105

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest None
 Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals: Ice Chest Containers None Comments:
 Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received
 YES NO

Ice Chest ID B1W
 Temperature: 4.0 °C
 Thermometer ID: _____

Emissivity
 Container Enclosed

Date/Time 8/15/05
 Analyst Init OTO

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	()	()	()	()	()
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 801SM										
QT QA/OC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE	A	A	A	A	A	A	10	A	A	A

Comments: _____

Sample Numbering Completed By: OTCDate/Time: 8/15/05 2211

Submission #: 05-8105

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest None
 Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals: Ice Chest Containers None Comments:
 Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received
 YES NO

Ice Chest ID: B1W
 Temperature: 4.8 °C
 Thermometer ID: _____

Emissivity
 Container: Enclosed

Date/Time: 8/15/05
 Analyst Init: OJO

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	()	()	()	()	()
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
1 OZ. JAR										
2 OZ. JAR										
OIL SLEEVE										
CB VIAL										
LASTIC BAG										
ERROUS IRON										
ENCORE	A	A	A	A	A	A	A	A	A	A

Comments: _____

Sample Numbering Completed By: APR Date/Time: 8/15/05 22:15

Submission #: 05-8105

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest None
 Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals: Ice Chest Containers None Comments: _____
 Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received
 YES NO

Ice Chest ID: B1W
 Temperature: 4.8 °C
 Thermometer ID: _____

Emissivity
 Container: Enclosed

Date/Time: 8/15/05
 Analyst Init: CJO

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	()	()	()	()	()
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT OA/QC										
QT AMBER										
1 OZ. JAR										
2 OZ. JAR										
OIL SLEEVE										
CB VIAL										
LASTIC BAG										
ERROUS IRON										
NCORE	A	A	A							

Comments: _____

Sample Numbering Completed By: TA

Date/Time: 8/15/05 2215



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/23/05 14:32

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
0508105-01	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@5.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: --- Sampling Date: 08/15/05 08:42 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:
0508105-02	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@10.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 08:44 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:
0508105-03	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@15.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 08:48 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:
0508105-04	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@21.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 08:51 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:
0508105-05	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@26.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 09:08 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:



BC *Laboratories, Inc*

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/23/05 14:32

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
0508105-06	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@31.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 09:11 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:
0508105-07	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@36.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 09:15 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:
0508105-08	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@41.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 09:20 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:
0508105-09	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@46.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 09:23 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:
0508105-10	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@51.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 09:29 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:



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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
0508105-11	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@56.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 09:36 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:	
0508105-12	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@61.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 09:43 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:	
0508105-13	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@65.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 09:50 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:	
0508105-14	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@71.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 10:12 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:	
0508105-15	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@76.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 10:23 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:	



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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
0508105-16	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@81.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 10:49 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:
0508105-17	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@86.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 10:58 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:
0508105-18	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@91.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 11:34 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:
0508105-19	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@96.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 12:02 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:
0508105-20	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@101.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 12:07 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:



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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information	
0508105-21	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@106.5' Sampled By: Robert Ponce/Sean Owens of TRC1	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 13:23 Sample Depth: --- Sample Matrix: Solids
0508105-22	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@111.5' Sampled By: Robert Ponce/Sean Owens of TRC1	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 13:37 Sample Depth: --- Sample Matrix: Solids
0508105-23	COC Number: --- Project Number: 0353 Sampling Location: MW-3A Sampling Point: MW-3A@116.5' Sampled By: Robert Ponce/Sean Owens of TRC1	Receive Date: 08/15/05 21:05 Sampling Date: 08/15/05 13:39 Sample Depth: --- Sample Matrix: Solids



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508105-01		Client Sample Name:		0353, MW-3A, MW-3A@5.5', 8/15/2005		8:42:00AM, Robert Ponce/Sean Owens						
Constituent	Result	Units	PQL	MDL	Method	Date	Prep	Run	Instrum-	QC	MB	Lab		
									Analyst	ment ID	Dilution	Batch ID	Bias	Quals
Benzene	ND	mg/kg	0.0043	0.00064	EPA-8260	08/16/05	22:44	MMS	MS-V2	0.86	BOH0321	ND		
Ethylbenzene	ND	mg/kg	0.0043	0.0010	EPA-8260	08/16/05	22:44	MMS	MS-V2	0.86	BOH0321	ND		
Methyl t-butyl ether	ND	mg/kg	0.0043	0.00073	EPA-8260	08/16/05	22:44	MMS	MS-V2	0.86	BOH0321	ND		
Toluene	ND	mg/kg	0.0043	0.0011	EPA-8260	08/16/05	22:44	MMS	MS-V2	0.86	BOH0321	ND		
Total Xylenes	ND	mg/kg	0.0086	0.0043	EPA-8260	08/16/05	22:44	MMS	MS-V2	0.86	BOH0321	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00086	0.00022	EPA-8260	08/16/05	22:44	MMS	MS-V2	0.86	BOH0321	ND		
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/16/05	22:44	MMS	MS-V2	0.86	BOH0321	ND		
Diisopropyl ether	ND	mg/kg	0.0043	0.00045	EPA-8260	08/16/05	22:44	MMS	MS-V2	0.86	BOH0321	ND		
Ethanol	ND	mg/kg	0.86	0.29	EPA-8260	08/16/05	22:44	MMS	MS-V2	0.86	BOH0321	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00086	0.00015	EPA-8260	08/16/05	22:44	MMS	MS-V2	0.86	BOH0321	ND		
Total Purgeable Petroleum Hydrocarbons	0.20	mg/kg	0.17	0.14	EPA-8260	08/16/05	22:44	MMS	MS-V2	0.86	BOH0321	ND		
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05	22:44	MMS	MS-V2	1	BOH0321				
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05	22:44	MMS	MS-V2	1	BOH0321				
4-Bromofluorobenzene (Surrogate)	97.1	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05	22:44	MMS	MS-V2	1	BOH0321				



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508105-02	Client Sample Name:	0353, MW-3A, MW-3A@10.5', 8/15/2005	8:44:00AM, Robert Ponce/Sean Owens	Prep Run	Instru-	QC	MB	Lab			
Constituent	Result	Units	PQL	MDL	Method	Date	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
Benzene	ND	mg/kg	0.0046	0.00069	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	0.92	BOH0321	ND	
Ethylbenzene	ND	mg/kg	0.0046	0.0011	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	0.92	BOH0321	ND	
Methyl t-butyl ether	ND	mg/kg	0.0046	0.00079	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	0.92	BOH0321	ND	
Toluene	ND	mg/kg	0.0046	0.0012	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	0.92	BOH0321	ND	
Total Xylenes	ND	mg/kg	0.0092	0.0046	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	0.92	BOH0321	ND	
t-Amyl Methyl ether	ND	mg/kg	0.00092	0.00024	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	0.92	BOH0321	ND	
t-Butyl alcohol	ND	mg/kg	0.18	0.028	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	0.92	BOH0321	ND	
Diisopropyl ether	ND	mg/kg	0.0046	0.00048	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	0.92	BOH0321	ND	
Ethanol	ND	mg/kg	0.92	0.31	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	0.92	BOH0321	ND	
Ethyl t-butyl ether	ND	mg/kg	0.00092	0.00016	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	0.92	BOH0321	ND	
Total Purgeable Petroleum Hydrocarbons	0.21	mg/kg	0.18	0.15	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	0.92	BOH0321	ND	
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121	(LCL - UCL)	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	1	BOH0321		
Toluene-d8 (Surrogate)	101	%	81 - 117	(LCL - UCL)	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	1	BOH0321		
4-Bromofluorobenzene (Surrogate)	90.3	%	74 - 121	(LCL - UCL)	EPA-8260	08/16/05 08/16/05 23:11	MMS	MS-V2	1	BOH0321		



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508105-03

Client Sample Name: 0353, MW-3A, MW-3A@15.5', 8/15/2005 8:48:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instru-	ment ID	Dilution	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0045	0.00068	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	0.90	BOH0321	ND				
Ethylbenzene	ND	mg/kg	0.0045	0.0011	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	0.90	BOH0321	ND				
Methyl t-butyl ether	ND	mg/kg	0.0045	0.00077	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	0.90	BOH0321	ND				
Toluene	ND	mg/kg	0.0045	0.0012	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	0.90	BOH0321	ND				
Total Xylenes	ND	mg/kg	0.0090	0.0045	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	0.90	BOH0321	ND				
t-Amyl Methyl ether	ND	mg/kg	0.00090	0.00023	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	0.90	BOH0321	ND				
t-Butyl alcohol	ND	mg/kg	0.18	0.027	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	0.90	BOH0321	ND				
Diisopropyl ether	ND	mg/kg	0.0045	0.00047	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	0.90	BOH0321	ND				
Ethanol	ND	mg/kg	0.90	0.31	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	0.90	BOH0321	ND				
Ethyl t-butyl ether	ND	mg/kg	0.00090	0.00015	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	0.90	BOH0321	ND				
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.18	0.14	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	0.90	BOH0321	ND				
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	1	BOH0321					
Toluene-d8 (Surrogate)	98.5	%	81 - 117	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	1	BOH0321					
4-Bromofluorobenzene (Surrogate)	98.2	%	74 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	05:26	MMS	MS-V2	1	BOH0321					



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508105-04		Client Sample Name:		0353, MW-3A, MW-3A@21.0', 8/15/2005		8:51:00AM, Robert Ponce/Sean Owens		QC		MB		Lab	
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instru-	ment ID	Dilution	Batch ID	Bias	Quals
Benzene	ND	mg/kg	0.0044	0.00065	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	0.87	BOH0321	ND		
Ethylbenzene	ND	mg/kg	0.0044	0.0010	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	0.87	BOH0321	ND		
Methyl t-butyl ether	ND	mg/kg	0.0044	0.00074	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	0.87	BOH0321	ND		
Toluene	ND	mg/kg	0.0044	0.0011	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	0.87	BOH0321	ND		
Total Xylenes	ND	mg/kg	0.0087	0.0044	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	0.87	BOH0321	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00087	0.00023	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	0.87	BOH0321	ND		
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	0.87	BOH0321	ND		
Diisopropyl ether	ND	mg/kg	0.0044	0.00045	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	0.87	BOH0321	ND		
Ethanol	ND	mg/kg	0.87	0.30	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	0.87	BOH0321	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00087	0.00015	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	0.87	BOH0321	ND		
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.17	0.14	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	0.87	BOH0321	ND		
1,2-Dichloroethane-d4 (Surrogate)	98.3	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	1	BOH0321				
Toluene-d8 (Surrogate)	97.0	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	1	BOH0321				
4-Bromofluorobenzene (Surrogate)	97.4	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	05:52	MMS	MS-V2	1	BOH0321				



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508105-05	Client Sample Name:	0353, MW-3A, MW-3A@26.5', 8/15/2005	9:08:00AM, Robert Ponce/Sean Owens	Prep Run	Date/Time	Analyst	Instrum-	QC	MB	Lab	Quals
Constituent	Result	Units	PQL	MDL	Method	Date	Dilution	ment ID	Dilution	Batch ID	Bias	
Benzene	ND	mg/kg	0.0047	0.00070	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	0.93	BOH0321	ND
Ethylbenzene	ND	mg/kg	0.0047	0.0011	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	0.93	BOH0321	ND
Methyl t-butyl ether	ND	mg/kg	0.0047	0.00079	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	0.93	BOH0321	ND
Toluene	ND	mg/kg	0.0047	0.0012	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	0.93	BOH0321	ND
Total Xylenes	ND	mg/kg	0.0093	0.0047	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	0.93	BOH0321	ND
t-Amyl Methyl ether	ND	mg/kg	0.00093	0.00024	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	0.93	BOH0321	ND
t-Butyl alcohol	ND	mg/kg	0.19	0.028	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	0.93	BOH0321	ND
Diisopropyl ether	ND	mg/kg	0.0047	0.00048	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	0.93	BOH0321	ND
Ethanol	ND	mg/kg	0.93	0.32	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	0.93	BOH0321	ND
Ethyl t-butyl ether	ND	mg/kg	0.00093	0.00016	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	0.93	BOH0321	ND
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.19	0.15	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	0.93	BOH0321	ND
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	1	BOH0321	
Toluene-d8 (Surrogate)	98.3	%	81 - 117	(LCL - UCL)	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	1	BOH0321	
4-Bromofluorobenzene (Surrogate)	87.8	%	74 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05 06:19	MMS	MS-V2	1	BOH0321	



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508105-06		Client Sample Name:		0353, MW-3A, MW-3A@31.0', 8/15/2005		9:11:00AM, Robert Ponce/Sean Owens									
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab Bias	Quats	
Benzene	ND	mg/kg	0.0046	0.00070	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	0.93	BOH0321	ND				
Ethylbenzene	ND	mg/kg	0.0046	0.0011	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	0.93	BOH0321	ND				
Methyl t-butyl ether	ND	mg/kg	0.0046	0.00079	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	0.93	BOH0321	ND				
Toluene	ND	mg/kg	0.0046	0.0012	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	0.93	BOH0321	ND				
Total Xylenes	ND	mg/kg	0.0093	0.0046	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	0.93	BOH0321	ND				
t-Amyl Methyl ether	ND	mg/kg	0.00093	0.00024	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	0.93	BOH0321	ND				
t-Butyl alcohol	ND	mg/kg	0.19	0.028	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	0.93	BOH0321	ND				
Diisopropyl ether	ND	mg/kg	0.0046	0.00048	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	0.93	BOH0321	ND				
Ethanol	ND	mg/kg	0.93	0.32	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	0.93	BOH0321	ND				
Ethyl t-butyl ether	ND	mg/kg	0.00093	0.00016	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	0.93	BOH0321	ND				
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.19	0.15	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	0.93	BOH0321	ND				
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	1	BOH0321						
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	1	BOH0321						
4-Bromofluorobenzene (Surrogate)	93.3	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	06:46	MMS	MS-V2	1	BOH0321						



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508105-07 Client Sample Name: 0353, MW-3A, MW-3A@36.0', 8/15/2005 9:15:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrum-	ment ID	Dilution	Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0045	0.00067	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	0.90	BOH0321	ND		
Ethylbenzene	ND	mg/kg	0.0045	0.0011	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	0.90	BOH0321	ND		
Methyl t-butyl ether	ND	mg/kg	0.0045	0.00076	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	0.90	BOH0321	ND		
Toluene	ND	mg/kg	0.0045	0.0012	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	0.90	BOH0321	ND		
Total Xylenes	ND	mg/kg	0.0090	0.0045	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	0.90	BOH0321	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00090	0.00023	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	0.90	BOH0321	ND		
t-Butyl alcohol	ND	mg/kg	0.18	0.027	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	0.90	BOH0321	ND		
Diisopropyl ether	ND	mg/kg	0.0045	0.00047	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	0.90	BOH0321	ND		
Ethanol	ND	mg/kg	0.90	0.30	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	0.90	BOH0321	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00090	0.00015	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	0.90	BOH0321	ND		
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.18	0.14	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	0.90	BOH0321	ND		
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	1	BOH0321			
Toluene-d8 (Surrogate)	92.4	%	81 - 117	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	1	BOH0321			
4-Bromofluorobenzene (Surrogate)	98.8	%	74 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	07:13	MMS	MS-V2	1	BOH0321			



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Project: 0353
Project Number: [none]
Project Manager: John Norderstam
Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508105-08	Client Sample Name:	0353, MW-3A, MW-3A@41.0', 8/15/2005	9:20:00AM, Robert Ponce/Sean Owens	QC	MB	Lab				
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Instrum-	Batch ID	Bias	Quals
Benzene	ND	mg/kg	0.0048	0.00072	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	0.96	BOH0321 ND
Ethylbenzene	ND	mg/kg	0.0048	0.0011	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	0.96	BOH0321 ND
Methyl t-butyl ether	ND	mg/kg	0.0048	0.00081	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	0.96	BOH0321 ND
Toluene	ND	mg/kg	0.0048	0.0012	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	0.96	BOH0321 ND
Total Xylenes	ND	mg/kg	0.0096	0.0048	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	0.96	BOH0321 ND
t-Amyl Methyl ether	ND	mg/kg	0.00096	0.00025	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	0.96	BOH0321 ND
t-Butyl alcohol	ND	mg/kg	0.19	0.029	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	0.96	BOH0321 ND
Diisopropyl ether	ND	mg/kg	0.0048	0.00050	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	0.96	BOH0321 ND
Ethanol	ND	mg/kg	0.96	0.33	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	0.96	BOH0321 ND
Ethyl t-butyl ether	ND	mg/kg	0.00096	0.00016	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	0.96	BOH0321 ND
Total Purgeable Petroleum Hydrocarbons	0.34	mg/kg	0.19	0.15	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	0.96	BOH0321 ND
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	1	BOH0321	
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	1	BOH0321	
4-Bromofluorobenzene (Surrogate)	95.3	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05 07:39	MMS	MS-V2	1	BOH0321	



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508105-09	Client Sample Name:	0353, MW-3A, MW-3A@46.0'	8/15/2005	9:23:00AM	Robert Ponce/Sean Owens								
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instru-	ment ID	Dilution	Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0043	0.00064	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	0.85	BOH0322	ND		
Ethylbenzene	ND	mg/kg	0.0043	0.0010	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	0.85	BOH0322	ND		
Methyl t-butyl ether	ND	mg/kg	0.0043	0.00073	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	0.85	BOH0322	ND		
Toluene	ND	mg/kg	0.0043	0.0011	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	0.85	BOH0322	ND		
Total Xylenes	ND	mg/kg	0.0085	0.0043	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	0.85	BOH0322	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00085	0.00022	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	0.85	BOH0322	ND		
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	0.85	BOH0322	ND		
Diisopropyl ether	ND	mg/kg	0.0043	0.00044	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	0.85	BOH0322	ND		
Ethanol	ND	mg/kg	0.85	0.29	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	0.85	BOH0322	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00085	0.00015	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	0.85	BOH0322	ND		
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.17	0.14	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	0.85	BOH0322	ND		
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	1	BOH0322			
Toluene-d8 (Surrogate)	99.3	%	81 - 117	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	1	BOH0322			
4-Bromofluorobenzene (Surrogate)	99.3	%	74 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	08:06	MMS	MS-V2	1	BOH0322			



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508105-10 Client Sample Name: 0353, MW-3A, MW-3A@51.0', 8/15/2005 9:29:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrum-	Dilution	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0044	0.00066	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	0.88	BOH0322	ND			
Ethylbenzene	0.0021	mg/kg	0.0044	0.0011	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	0.88	BOH0322	ND		J	
Methyl t-butyl ether	ND	mg/kg	0.0044	0.00075	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	0.88	BOH0322	ND			
Toluene	ND	mg/kg	0.0044	0.0011	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	0.88	BOH0322	ND			
Total Xylenes	0.0058	mg/kg	0.0088	0.0044	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	0.88	BOH0322	ND		J	
t-Amyl Methyl ether	ND	mg/kg	0.00088	0.00023	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	0.88	BOH0322	ND			
t-Butyl alcohol	ND	mg/kg	0.18	0.026	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	0.88	BOH0322	ND			
Diisopropyl ether	ND	mg/kg	0.0044	0.00046	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	0.88	BOH0322	ND			
Ethanol	ND	mg/kg	0.88	0.30	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	0.88	BOH0322	ND			
Ethyl t-butyl ether	ND	mg/kg	0.00088	0.00015	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	0.88	BOH0322	ND			
Total Purgeable Petroleum Hydrocarbons	0.25	mg/kg	0.18	0.14	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	0.88	BOH0322	ND			
1,2-Dichloroethane-d4 (Surrogate)	96.1	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	1	BOH0322					
Toluene-d8 (Surrogate)	99.1	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	1	BOH0322					
4-Bromofluorobenzene (Surrogate)	97.7	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05 08:33	MMS	MS-V2	1	BOH0322					



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Project: 0353
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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508105-11 Client Sample Name: 0353, MW-3A, MW-3A@56.5, 8/15/2005 9:36:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Instru-	QC	MB	Lab	Quals	
Benzene	ND	mg/kg	0.0038	0.00057	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	0.76	BOH0322	ND
Ethylbenzene	ND	mg/kg	0.0038	0.00091	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	0.76	BOH0322	ND
Methyl t-butyl ether	0.0019	mg/kg	0.0038	0.00065	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	0.76	BOH0322	ND
Toluene	ND	mg/kg	0.0038	0.00099	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	0.76	BOH0322	ND
Total Xylenes	ND	mg/kg	0.0076	0.0038	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	0.76	BOH0322	ND
t-Amyl Methyl ether	ND	mg/kg	0.00076	0.00020	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	0.76	BOH0322	ND
t-Butyl alcohol	ND	mg/kg	0.15	0.023	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	0.76	BOH0322	ND
Diisopropyl ether	ND	mg/kg	0.0038	0.00040	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	0.76	BOH0322	ND
Ethanol	ND	mg/kg	0.76	0.26	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	0.76	BOH0322	ND
Ethy t-butyl ether	ND	mg/kg	0.00076	0.00013	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	0.76	BOH0322	ND
Total Purgeable Petroleum Hydrocarbons	0.19	mg/kg	0.15	0.12	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	0.76	BOH0322	ND
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	1	BOH0322		
Toluene-d8 (Surrogate)	99.0	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	1	BOH0322		
4-Bromofluorobenzene (Surrogate)	100	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	08:59	MMS	MS-V2	1	BOH0322		



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Project: 0353
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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508105-12		Client Sample Name:		0353, MW-3A, MW-3A@61.0', 8/15/2005		9:43:00AM, Robert Ponce/Sean Owens							
Constituent	Result	Units	PQL	MDL	Method	Date	Prep	Run	Date/Time	Analyst	Instrum-	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0049	0.00074	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	0.98	BOH0322	ND		
Ethylbenzene	ND	mg/kg	0.0049	0.0012	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	0.98	BOH0322	ND		
Methyl t-butyl ether	ND	mg/kg	0.0049	0.00083	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	0.98	BOH0322	ND		
Toluene	ND	mg/kg	0.0049	0.0013	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	0.98	BOH0322	ND		
Total Xylenes	ND	mg/kg	0.0098	0.0049	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	0.98	BOH0322	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00098	0.00026	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	0.98	BOH0322	ND		
t-Butyl alcohol	ND	mg/kg	0.20	0.029	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	0.98	BOH0322	ND		
Diisopropyl ether	ND	mg/kg	0.0049	0.00051	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	0.98	BOH0322	ND		
Ethanol	ND	mg/kg	0.98	0.33	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	0.98	BOH0322	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00098	0.00017	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	0.98	BOH0322	ND		
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20	0.16	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	0.98	BOH0322	ND		
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	1	BOH0322			
Toluene-d8 (Surrogate)	103	%	81 - 117	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	1	BOH0322			
4-Bromofluorobenzene (Surrogate)	93.1	%	74 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	09:26	MMS	MS-V2	1	BOH0322			



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508105-13 Client Sample Name: 0353, MW-3A, MW-3A@65.5', 8/15/2005 9:50:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instru-	Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050	0.00075	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	0.99	BOH0322	ND
Ethylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	0.99	BOH0322	ND
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00084	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	0.99	BOH0322	ND
Toluene	ND	mg/kg	0.0050	0.0013	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	0.99	BOH0322	ND
Total Xylenes	ND	mg/kg	0.0099	0.0050	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	0.99	BOH0322	ND
t-Amyl Methyl ether	ND	mg/kg	0.00099	0.00026	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	0.99	BOH0322	ND
t-Butyl alcohol	ND	mg/kg	0.20	0.030	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	0.99	BOH0322	ND
Diisopropyl ether	ND	mg/kg	0.0050	0.00052	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	0.99	BOH0322	ND
Ethanol	ND	mg/kg	0.99	0.34	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	0.99	BOH0322	ND
Ethyl t-butyl ether	ND	mg/kg	0.00099	0.00017	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	0.99	BOH0322	ND
Total Purgeable Petroleum Hydrocarbons	0.23	mg/kg	0.20	0.16	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	0.99	BOH0322	ND
1,2-Dichloroethane-d4 (Surrogate)	99.6	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	1	BOH0322		
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	1	BOH0322		
4-Bromofluorobenzene (Surrogate)	97.0	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	09:52	MMS	MS-V2	1	BOH0322		



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21 Technology Drive
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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam
Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508105-14		Client Sample Name:		0353, MW-3A, MW-3A@71.5', 8/15/2005		10:12:00AM, Robert Ponce/Sean Owens		QC		MB		Lab Quals	
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrum-	Dilution	Batch ID	Bias	Batch ID	Dilution
Benzene	ND	mg/kg	0.0040	0.00060	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	0.81	BOH0322	ND		
Ethylbenzene	ND	mg/kg	0.0040	0.00097	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	0.81	BOH0322	ND		
Methyl t-butyl ether	0.0043	mg/kg	0.0040	0.00068	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	0.81	BOH0322	ND		
Toluene	ND	mg/kg	0.0040	0.0010	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	0.81	BOH0322	ND		
Total Xylenes	ND	mg/kg	0.0080	0.0040	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	0.81	BOH0322	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00080	0.00021	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	0.81	BOH0322	ND		
t-Butyl alcohol	ND	mg/kg	0.16	0.024	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	0.81	BOH0322	ND		
Diisopropyl ether	ND	mg/kg	0.0040	0.00042	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	0.81	BOH0322	ND		
Ethanol	ND	mg/kg	0.80	0.27	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	0.81	BOH0322	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00080	0.00014	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	0.81	BOH0322	ND		
Total Purgeable Petroleum Hydrocarbons	0.15	mg/kg	0.16	0.13	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	0.81	BOH0322	ND	J	
1,2-Dichloroethane-d4 (Surrogate)	111	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	1	BOH0322				
Toluene-d8 (Surrogate)	98.3	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	1	BOH0322				
4-Bromofluorobenzene (Surrogate)	93.1	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	10:19	MMS	MS-V2	1	BOH0322				



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508105-15 Client Sample Name: 0353, MW-3A, MW-3A@76.0', 8/15/2005 10:23:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0049	0.00074	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	0.99	BOH0322	ND	
Ethylbenzene	ND	mg/kg	0.0049	0.0012	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	0.99	BOH0322	ND	
Methyl t-butyl ether	ND	mg/kg	0.0049	0.00084	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	0.99	BOH0322	ND	
Toluene	ND	mg/kg	0.0049	0.0013	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	0.99	BOH0322	ND	
Total Xylenes	ND	mg/kg	0.0099	0.0049	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	0.99	BOH0322	ND	
t-Amyl Methyl ether	ND	mg/kg	0.00099	0.00026	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	0.99	BOH0322	ND	
t-Butyl alcohol	ND	mg/kg	0.20	0.030	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	0.99	BOH0322	ND	
Diisopropyl ether	ND	mg/kg	0.0049	0.00051	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	0.99	BOH0322	ND	
Ethanol	ND	mg/kg	0.99	0.34	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	0.99	BOH0322	ND	
Ethyl t-butyl ether	ND	mg/kg	0.00099	0.00017	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	0.99	BOH0322	ND	
Total Purgeable Petroleum Hydrocarbons	0.23	mg/kg	0.20	0.16	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	0.99	BOH0322	ND	
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	1	BOH0322			
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	1	BOH0322			
4-Bromofluorobenzene (Surrogate)	93.8	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05 10:46	MMS	MS-V2	1	BOH0322			



BC Laboratories, Inc

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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508105-16 Client Sample Name: 0353, MW-3A, MW-3A@811.5', 8/15/2005 10:49:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0051	0.00076	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322	ND			
Ethylbenzene	ND	mg/kg	0.0051	0.0012	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322	ND			
Methyl t-butyl ether	0.012	mg/kg	0.0051	0.00087	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322	ND			
Toluene	ND	mg/kg	0.0051	0.0013	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322	ND			
Total Xylenes	ND	mg/kg	0.010	0.0051	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322	ND			
t-Amyl Methyl ether	ND	mg/kg	0.0010	0.00027	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322	ND			
t-Butyl alcohol	ND	mg/kg	0.20	0.031	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322	ND			
Diisopropyl ether	ND	mg/kg	0.0051	0.00053	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322	ND			
Ethanol	ND	mg/kg	1.0	0.35	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322	ND			
Ethyl t-butyl ether	ND	mg/kg	0.0010	0.00017	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322	ND			
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20	0.16	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322	ND			
1,2-Dichloroethane-d4 (Surrogate)	112	%	70 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322				
Toluene-d8 (Surrogate)	102	%	81 - 117	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322				
4-Bromofluorobenzene (Surrogate)	96.5	%	74 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	11:12	MMS	MS-V2	1.02	BOH0322				



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Project: 0353
Project Number: [none]
Project Manager: John Nordemstam

Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508105-17 Client Sample Name: 0353, MW-3A, MW-3A@86.5', 8/15/2005 10:58:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrum-	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0044	0.00065	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	0.87	BOH0322	ND			
Ethylbenzene	ND	mg/kg	0.0044	0.0010	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	0.87	BOH0322	ND			
Methyl t-butyl ether	0.22	mg/kg	0.21	0.035	EPA-8260	08/16/05 08/20/05	01:49 MMS	MS-V2	41.20	BOH0322	ND	A01		
Toluene	ND	mg/kg	0.0044	0.0011	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	0.87	BOH0322	ND			
Total Xylenes	ND	mg/kg	0.0087	0.0044	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	0.87	BOH0322	ND			
t-Amyl Methyl ether	ND	mg/kg	0.00087	0.00023	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	0.87	BOH0322	ND			
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	0.87	BOH0322	ND			
Diisopropyl ether	ND	mg/kg	0.0044	0.00045	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	0.87	BOH0322	ND			
Ethanol	ND	mg/kg	0.87	0.30	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	0.87	BOH0322	ND			
Ethyl t-butyl ether	ND	mg/kg	0.00087	0.00015	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	0.87	BOH0322	ND			
Total Purgeable Petroleum Hydrocarbons	0.70	mg/kg	0.17	0.14	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	0.87	BOH0322	ND	A53		
1,2-Dichloroethane-d4 (Surrogate)	85.9	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05 08/20/05	01:49 MMS	MS-V2	41.20	BOH0322					
1,2-Dichloroethane-d4 (Surrogate)	95.2	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	1	BOH0322					
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	1	BOH0322					
Toluene-d8 (Surrogate)	105	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05 08/20/05	01:49 MMS	MS-V2	41.20	BOH0322					
4-Bromofluorobenzene (Surrogate)	99.1	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05 08/20/05	01:49 MMS	MS-V2	41.20	BOH0322					
4-Bromofluorobenzene (Surrogate)	98.1	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05 08/17/05	17:40 MMS	MS-V2	1	BOH0322					



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508105-18 Client Sample Name: 0353, MW-3A, MW-3A@91.5', 8/15/2005 11:34:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrum-	Dilution	Batch ID	QC	MB	Lab Quals
Benzene	ND	mg/kg	0.0043	0.00064	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	0.86	BOH0322	ND		
Ethylbenzene	ND	mg/kg	0.0043	0.0010	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	0.86	BOH0322	ND		
Methyl t-butyl ether	0.40	mg/kg	0.19	0.033	EPA-8260	08/16/05 08/20/05	02:16	MMS	MS-V2	38.50	BOH0322	ND	A01	
Toluene	ND	mg/kg	0.0043	0.0011	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	0.86	BOH0322	ND		
Total Xylenes	ND	mg/kg	0.0086	0.0043	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	0.86	BOH0322	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00086	0.00022	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	0.86	BOH0322	ND		
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	0.86	BOH0322	ND		
Diisopropyl ether	ND	mg/kg	0.0043	0.00045	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	0.86	BOH0322	ND		
Ethanol	ND	mg/kg	0.86	0.29	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	0.86	BOH0322	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00086	0.00015	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	0.86	BOH0322	ND		
Total Purgeable Petroleum Hydrocarbons	0.65	mg/kg	0.17	0.14	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	0.86	BOH0322	ND	A53	
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121	(LCL - UCL)	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	1	BOH0322			
1,2-Dichloroethane-d4 (Surrogate)	88.9	%	70 - 121	(LCL - UCL)	EPA-8260	08/16/05 08/20/05	02:16	MMS	MS-V2	38.50	BOH0322			
Toluene-d8 (Surrogate)	111	%	81 - 117	(LCL - UCL)	EPA-8260	08/16/05 08/20/05	02:16	MMS	MS-V2	38.50	BOH0322			
Toluene-d8 (Surrogate)	98.2	%	81 - 117	(LCL - UCL)	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	1	BOH0322			
4-Bromofluorobenzene (Surrogate)	93.9	%	74 - 121	(LCL - UCL)	EPA-8260	08/16/05 08/17/05	18:07	MMS	MS-V2	1	BOH0322			
4-Bromofluorobenzene (Surrogate)	96.6	%	74 - 121	(LCL - UCL)	EPA-8260	08/16/05 08/20/05	02:16	MMS	MS-V2	38.50	BOH0322			



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Laboratories, Inc

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508105-19		Client Sample Name:		0353, MW-3A, MW-3A@96.0'		8/15/2005		12:02:00PM,		Robert Ponce/Sean Owens			
Constituent	Result	Units	PQL	MDL	Method	Date	Prep	Run	Date/Time	Analyst	Instrum-	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0038	0.00058	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	0.77	BOH0322	ND		
Ethylbenzene	ND	mg/kg	0.0038	0.00092	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	0.77	BOH0322	ND		
Methyl t-butyl ether	0.27	mg/kg	0.0038	0.00065	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	0.77	BOH0322	ND		
Toluene	ND	mg/kg	0.0038	0.0010	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	0.77	BOH0322	ND		
Total Xylenes	ND	mg/kg	0.0077	0.0038	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	0.77	BOH0322	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00077	0.00020	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	0.77	BOH0322	ND		
t-Butyl alcohol	ND	mg/kg	0.15	0.023	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	0.77	BOH0322	ND		
Diisopropyl ether	ND	mg/kg	0.0038	0.00040	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	0.77	BOH0322	ND		
Ethanol	ND	mg/kg	0.77	0.26	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	0.77	BOH0322	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00077	0.00013	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	0.77	BOH0322	ND		
Total Purgeable Petroleum Hydrocarbons	0.43	mg/kg	0.15	0.12	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	0.77	BOH0322	ND	A53	
1,2-Dichloroethane-d4 (Surrogate)	97.7	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	1	BOH0322				
Toluene-d8 (Surrogate)	96.8	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	1	BOH0322				
4-Bromofluorobenzene (Surrogate)	96.0	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	18:33	MMS	MS-V2	1	BOH0322				



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508105-20	Client Sample Name:	0353, MW-3A, MW-3A@101.0', 8/15/2005	12:07:00PM, Robert Ponce/Sean Owens	Prep	Run	Instru-	QC	MB	Lab	Quals	
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias
Benzene	ND	mg/kg	0.0041	0.00061	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	0.82	BOH0322	ND
Ethylbenzene	ND	mg/kg	0.0041	0.00098	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	0.82	BOH0322	ND
Methyl t-butyl ether	0.25	mg/kg	0.0041	0.00069	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	0.82	BOH0322	ND
Toluene	ND	mg/kg	0.0041	0.0011	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	0.82	BOH0322	ND
Total Xylenes	ND	mg/kg	0.0082	0.0041	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	0.82	BOH0322	ND
t-Amyl Methyl ether	ND	mg/kg	0.00082	0.00021	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	0.82	BOH0322	ND
t-Butyl alcohol	ND	mg/kg	0.16	0.024	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	0.82	BOH0322	ND
Diisopropyl ether	ND	mg/kg	0.0041	0.00042	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	0.82	BOH0322	ND
Ethanol	ND	mg/kg	0.82	0.28	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	0.82	BOH0322	ND
Ethyl t-butyl ether	ND	mg/kg	0.00082	0.00014	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	0.82	BOH0322	ND
Total Purgeable Petroleum Hydrocarbons	0.38	mg/kg	0.16	0.13	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	0.82	BOH0322	ND A53
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	1	BOH0322	
Toluene-d8 (Surrogate)	92.9	%	81 - 117	(LCL - UCL)	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	1	BOH0322	
4-Bromofluorobenzene (Surrogate)	95.8	%	74 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05 19:00	MMS	MS-V2	1	BOH0322	



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordemstam

Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508105-21 Client Sample Name: 0353, MW-3A, MW-3A@106.5' 8/15/2005 1:23:00PM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep	Run	Date/Time	Analyst	Instru-	ment ID	Dilution	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0038	0.00056	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	0.75	BOH0322			ND			
Ethylbenzene	ND	mg/kg	0.0038	0.00090	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	0.75	BOH0322			ND			
Methyl t-butyl ether	0.00090	mg/kg	0.0038	0.00064	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	0.75	BOH0322			ND		J	
Toluene	0.0011	mg/kg	0.0038	0.00098	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	0.75	BOH0322			ND		J	
Total Xylenes	ND	mg/kg	0.0075	0.0038	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	0.75	BOH0322			ND			
t-Amyl Methyl ether	ND	mg/kg	0.00075	0.00020	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	0.75	BOH0322			ND			
t-Butyl alcohol	ND	mg/kg	0.15	0.023	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	0.75	BOH0322			ND			
Diisopropyl ether	ND	mg/kg	0.0038	0.00039	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	0.75	BOH0322			ND			
Ethanol	ND	mg/kg	0.75	0.26	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	0.75	BOH0322			ND			
Ethyl t-butyl ether	ND	mg/kg	0.00075	0.00013	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	0.75	BOH0322			ND			
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.15	0.12	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	0.75	BOH0322			ND			
1,2-Dichloroethane-d4 (Surrogate)	99.8	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	1	BOH0322							
Toluene-d8 (Surrogate)	98.7	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	1	BOH0322							
4-Bromofluorobenzene (Surrogate)	92.8	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	19:27	MMS	MS-V2	1	BOH0322							



Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508105-22 Client Sample Name: 0353, MW-3A, MW-3A@1115', 8/15/2005 1:37:00PM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Run	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0044	0.00065	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	0.87	BOH0322	ND			
Ethylbenzene	ND	mg/kg	0.0044	0.0010	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	0.87	BOH0322	ND			
Methyl t-butyl ether	0.0043	mg/kg	0.0044	0.00074	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	0.87	BOH0322	ND		J	
Toluene	ND	mg/kg	0.0044	0.0011	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	0.87	BOH0322	ND			
Total Xylenes	ND	mg/kg	0.0087	0.0044	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	0.87	BOH0322	ND			
t-Amyl Methyl ether	ND	mg/kg	0.00087	0.00023	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	0.87	BOH0322	ND			
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	0.87	BOH0322	ND			
Dilisopropyl ether	ND	mg/kg	0.0044	0.00045	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	0.87	BOH0322	ND			
Ethanol	ND	mg/kg	0.87	0.30	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	0.87	BOH0322	ND			
Ethyl t-butyl ether	ND	mg/kg	0.00087	0.00015	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	0.87	BOH0322	ND			
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.17	0.14	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	0.87	BOH0322	ND			
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	1	BOH0322				
Toluene-d8 (Surrogate)	100	%	81 - 117	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	1	BOH0322				
4-Bromofluorobenzene (Surrogate)	96.1	%	74 - 121	(LCL - UCL)	EPA-8260	08/16/05	08/17/05	19:53	MMS	MS-V2	1	BOH0322				



BC Laboratories, Inc.

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508105-23 Client Sample Name: 0353, MW-3A, MW-3A@116.5', 8/15/2005 1:39:00PM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrum-	Batch ID	MB	Lab	Quals
Benzene	ND	mg/kg	0.0045	0.00068	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	0.91	BOH0322	ND	
Ethylbenzene	ND	mg/kg	0.0045	0.0011	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	0.91	BOH0322	ND	
Methyl t-butyl ether	ND	mg/kg	0.0045	0.00077	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	0.91	BOH0322	ND	
Toluene	ND	mg/kg	0.0045	0.0012	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	0.91	BOH0322	ND	
Total Xylenes	ND	mg/kg	0.0091	0.0045	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	0.91	BOH0322	ND	
t-Amyl Methyl ether	ND	mg/kg	0.00091	0.00024	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	0.91	BOH0322	ND	
t-Butyl alcohol	ND	mg/kg	0.18	0.027	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	0.91	BOH0322	ND	
Dimethyl ether	ND	mg/kg	0.0045	0.00047	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	0.91	BOH0322	ND	
Ethanol	ND	mg/kg	0.91	0.31	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	0.91	BOH0322	ND	
Ethyl t-butyl ether	ND	mg/kg	0.00091	0.00015	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	0.91	BOH0322	ND	
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.18	0.15	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	0.91	BOH0322	ND	
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	1	BOH0322			
Toluene-d8 (Surrogate)	98.4	%	81 - 117 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	1	BOH0322			
4-Bromofluorobenzene (Surrogate)	93.2	%	74 - 121 (LCL - UCL)	EPA-8260	08/16/05	08/17/05	20:20	MMS	MS-V2	1	BOH0322			



Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Spike Added	Units	RPD Recovery	Control Limits	
								Percent	Percent Recovery Lab Quals
Benzene	BOH0321	BOH0321-MS1	Matrix Spike	ND	0.12290	0.12500	mg/kg	98.3	70 - 130
		BOH0321-MSD1	Matrix Spike Duplicate	ND	0.12353	0.12500	mg/kg	98.8	20
Toluene	BOH0321	BOH0321-MS1	Matrix Spike	ND	0.12596	0.12500	mg/kg	101	70 - 130
		BOH0321-MSD1	Matrix Spike Duplicate	ND	0.12296	0.12500	mg/kg	98.4	20
1,2-Dichloroethane-d4 (Surrogate)	BOH0321	BOH0321-MS1	Matrix Spike	ND	0.050530	0.050000	mg/kg	101	70 - 130
		BOH0321-MSD1	Matrix Spike Duplicate	ND	0.048120	0.050000	mg/kg	96.2	70 - 121
Toluene-d8 (Surrogate)	BOH0321	BOH0321-MS1	Matrix Spike	ND	0.049750	0.050000	mg/kg	99.5	81 - 117
		BOH0321-MSD1	Matrix Spike Duplicate	ND	0.050300	0.050000	mg/kg	101	81 - 117
4-Bromofluorobenzene (Surrogate)	BOH0321	BOH0321-MS1	Matrix Spike	ND	0.052630	0.050000	mg/kg	105	74 - 121
		BOH0321-MSD1	Matrix Spike Duplicate	ND	0.049500	0.050000	mg/kg	99.0	74 - 121
Benzene	BOH0322	BOH0322-MS1	Matrix Spike	ND	0.12479	0.12500	mg/kg	99.8	70 - 130
		BOH0322-MSD1	Matrix Spike Duplicate	ND	0.12255	0.12500	mg/kg	98.0	20
Toluene	BOH0322	BOH0322-MS1	Matrix Spike	ND	0.11701	0.12500	mg/kg	93.6	70 - 130
		BOH0322-MSD1	Matrix Spike Duplicate	ND	0.12799	0.12500	mg/kg	102	20
1,2-Dichloroethane-d4 (Surrogate)	BOH0322	BOH0322-MS1	Matrix Spike	ND	0.050030	0.050000	mg/kg	100	70 - 130
		BOH0322-MSD1	Matrix Spike Duplicate	ND	0.050480	0.050000	mg/kg	101	70 - 121
Toluene-d8 (Surrogate)	BOH0322	BOH0322-MS1	Matrix Spike	ND	0.046730	0.050000	mg/kg	93.5	81 - 117
		BOH0322-MSD1	Matrix Spike Duplicate	ND	0.052480	0.050000	mg/kg	105	81 - 117
4-Bromofluorobenzene (Surrogate)	BOH0322	BOH0322-MS1	Matrix Spike	ND	0.05050	0.050000	mg/kg	104	74 - 121
		BOH0322-MSD1	Matrix Spike Duplicate	ND	0.053650	0.050000	mg/kg	107	74 - 121



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Control Limits		
								Percent Recovery	RPD	Percent
Benzene	BOH0321	BOH0321-BS1	LCS	0.12605	0.12500	0.0050	mg/kg	101	70 - 130	
Toluene	BOH0321	BOH0321-BS1	LCS	0.12239	0.12500	0.0050	mg/kg	97.9	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOH0321	BOH0321-BS1	LCS	0.048180	0.050000	0.0050	mg/kg	96.4	70 - 121	
Toluene-d8 (Surrogate)	BOH0321	BOH0321-BS1	LCS	0.048840	0.050000	0.0050	mg/kg	97.7	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH0321	BOH0321-BS1	LCS	0.050330	0.050000	0.0050	mg/kg	101	74 - 121	
Benzene	BOH0322	BOH0322-BS1	LCS	0.12156	0.12500	0.0050	mg/kg	97.2	70 - 130	
Toluene	BOH0322	BOH0322-BS1	LCS	0.12140	0.12500	0.0050	mg/kg	97.1	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOH0322	BOH0322-BS1	LCS	0.050280	0.050000	0.0050	mg/kg	101	70 - 121	
Toluene-d8 (Surrogate)	BOH0322	BOH0322-BS1	LCS	0.049310	0.050000	0.0050	mg/kg	98.6	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH0322	BOH0322-BS1	LCS	0.049480	0.050000	0.0050	mg/kg	99.0	74 - 121	



Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BOH0321	BOH0321-BLK1	ND	mg/kg	0.0050	0.00075	
Ethylbenzene	BOH0321	BOH0321-BLK1	ND	mg/kg	0.0050	0.0012	
Methyl t-butyl ether	BOH0321	BOH0321-BLK1	ND	mg/kg	0.0050	0.00085	
Toluene	BOH0321	BOH0321-BLK1	ND	mg/kg	0.0050	0.0013	
Total Xylenes	BOH0321	BOH0321-BLK1	ND	mg/kg	0.010	0.0050	
t-Amyl Methyl ether	BOH0321	BOH0321-BLK1	ND	mg/kg	0.0010	0.00026	
t-Butyl alcohol	BOH0321	BOH0321-BLK1	ND	mg/kg	0.20	0.030	
Diisopropyl ether	BOH0321	BOH0321-BLK1	ND	mg/kg	0.0050	0.00052	
Ethanol	BOH0321	BOH0321-BLK1	ND	mg/kg	1.0	0.34	
Ethyl t-butyl ether	BOH0321	BOH0321-BLK1	ND	mg/kg	0.0010	0.00017	
Total Purgeable Petroleum Hydrocarbons	BOH0321	BOH0321-BLK1	ND	mg/kg	0.20	0.16	
1,2-Dichloroethane-d4 (Surrogate)	BOH0321	BOH0321-BLK1	101	%	70 - 121	(LCL - UCL)	
Toluene-d8 (Surrogate)	BOH0321	BOH0321-BLK1	98.6	%	81 - 117	(LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BOH0321	BOH0321-BLK1	95.8	%	74 - 121	(LCL - UCL)	
Benzene	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0050	0.00075	
Ethylbenzene	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0050	0.0012	
Methyl t-butyl ether	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0050	0.00085	
Toluene	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0050	0.0013	
Total Xylenes	BOH0322	BOH0322-BLK1	ND	mg/kg	0.010	0.0050	
t-Amyl Methyl ether	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0010	0.00026	
t-Butyl alcohol	BOH0322	BOH0322-BLK1	ND	mg/kg	0.20	0.030	
Diisopropyl ether	BOH0322	BOH0322-BLK1	ND	mg/kg	1.0	0.34	
Ethanol	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0010	0.00017	
Ethyl t-butyl ether	BOH0322	BOH0322-BLK1	ND	mg/kg	0.20	0.16	
Total Purgeable Petroleum Hydrocarbons	BOH0322	BOH0322-BLK1	ND	mg/kg	0.20	0.16	

BC Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Norderstrom

Reported: 08/23/05 14:32

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	BOH0322	BOH0322-BLK1	88.8	%	70 - 121	(LCL - UCL)	
Toluene-d8 (Surrogate)	BOH0322	BOH0322-BLK1	99.2	%	81 - 117	(LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BOH0322	BOH0322-BLK1	91.0	%	74 - 121	(LCL - UCL)	

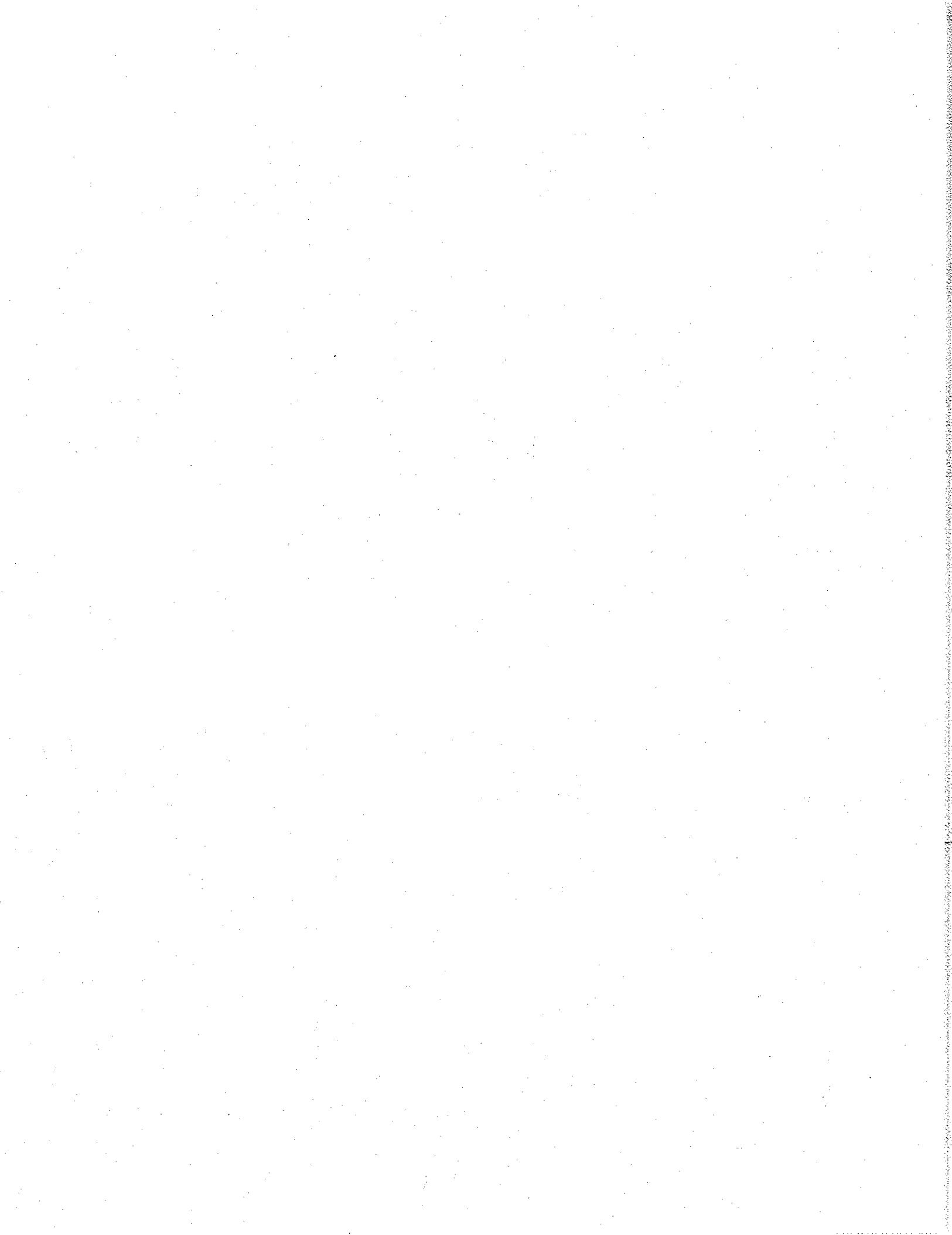
TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/23/05 14:32

Notes and Definitions

- | | |
|-----|--|
| J | Estimated value |
| A53 | Chromatogram not typical of gasoline. |
| A01 | PQL's and MDL's are raised due to sample dilution. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |





Date of Report: 08/24/2005

John Nordenstam

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

RE: 0353

BC Lab Number: 0508155

Enclosed are the results of analyses for samples received by the laboratory on 08/16/05 21:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Vanessa Surratt".

Contact Person: Vanessa Surratt
Client Service Rep


John Nordenstam
Authorized Signature



Chain of Custody Form

PLEASE COMPLETE:
DO NOT QUOTE ID:

Report To: TRC

Client: John Nordstrand
 Attn: Project Name: Former 03634
 Street Address: 21 Technology Dr.
 City, State, Zip: Traverse, MI 49618
 Phone: (941) 753-0111 Fax: (941) 753-0111

Email Address:

Submittal #:

OS-8155

Analysis Requested

Comments:

Fuel Oxy's = MTBE, TAME, DIPE,
 ETSE, TCA, Ethanol

Project Referring Lab: BC Laboratories

Sample Locations and Instructions:
 Legend:
 (8260B) OVS (8260B)
 (8260C) BTEX (8260C)
 (8260D) TPH-6 (8260D)

Sample # Description Date Sampled Time Sampled

Sample #	Description	Date Sampled	Time Sampled
-1	VW - 3B/C 6.0'	8/16/05	0759
-2	VW - 3B/C 11.0'	8/16/05	0804
-3	VW - 3B/C 15.5'	8/16/05	0807
-4	VW - 3B/C 21.5'	8/16/05	0811
-5	VW - 3B/C 26.0'	8/16/05	0816
-6	VW - 3B/C 31.0'	8/16/05	0819
-7	VW - 3B/C 36.0'	8/16/05	0824
-8	VW - 3B/C 41.0'	8/16/05	0828
-9	VW - 3B/C 46.0'	8/16/05	0836
-10	VW - 3B/C 51.0'	8/16/05	0844
-11	VW - 3B/C 56.0'	8/16/05	0854
-12	VW - 3B/C 61.0'	8/16/05	0903
-13	VW - 3B/C 65.5'	8/16/05	0911
-14	VW - 3B/C 71.0'	8/16/05	0923

Sample Disposal

Same as above

Report Drinking Waters on State Form?

Waters on State Form?

Return to Client

Disposal by lab

Archive:

Months

ac

wip

Raw Data

1. Relinquished By

Conrad Phillips

Date: 8/16/05 Time: 9:00

1. Received By

Conrad Phillips

Date: 8/16/05 Time: 9:00

2. Relinquished By

Conrad Phillips

Date: 8/16/05 Time: 9:00

3. Received By

Conrad Phillips

Date: 8/16/05 Time: 9:00

Special Reporting

WIP Raw Data



Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE:
BCL QUOTE ID:

Report To:

Client: TRC

Attn: John Wiedermann
Project Name: Former 76 Station

Project Code:

Street Address: 21 Technology Dr.

City, State, Zip: Traverse City, MI 49686

Phone: (989) 753-0161

Fax: (989) 753-0111

Email Address:

Submittal #: 05-8155

Analysis Requested

Sample #	Description	Date Sampled	Time Sampled
-15	VW-3B/C 75.5'	8/16/05	0932
-16	VW-3B/C 81.0'	8/16/05	0941
-17	VW-3B/C 86.0'	8/16/05	0944
-18	VW-3B/C 91.5'	8/16/05	0954

Comments:
Fuel Oxy's = MTBE, TAME, DIP E,
ETBE, TBA, Ethanol

Are there any tests with holding times less than

or equal to 48 hours?

No

Yes

* Standard Turnaround = 15 work days

Notes

49438

Page 2 of 2

Sample Matrix	Turnaround*	# of work days*
Soil	NR	
Ground Water	NR	
Drinking Water	NR	
Sludge	NR	
Other	NR	

Special Reporting	Raw Data
<input type="checkbox"/> QC	<input type="checkbox"/> WIP

1. Received By	Date	Time	1. Received By	Date	Time
<u>Sergio</u>	<u>8/16/05</u>	<u>1940</u>	<u>Jeff</u>	<u>8/16/05</u>	<u>1400</u>
2. Relinquished By	Date	Time	2. Received By	Date	Time
<u>Sergio</u>	<u>8/16/05</u>	<u>2110</u>	<u>Lori</u>	<u>8/16/05</u>	<u>2110</u>
3. Relinquished By	Date	Time	3. Received By	Date	Time
<u>Sergio</u>			<u>Jeff</u>		

Billing	Same as above	Report Drinking Waters on State Form?	Sample Disposal
<input checked="" type="checkbox"/> <u>Conoco Phillips</u>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive:
Client: <u>3611 S. Harbor Blv</u>	<u>STE 200</u>		Months: <u>1</u>
Address: <u>Santa Ana</u>	<u>CA</u>	Send Copy to State of CA?	1. Received By: <u>Jeff</u>
City: <u>Santa Ana</u>	<u>Zip 92704</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date: <u>8/16/05</u>
Attn: <u>Shari London</u>			Time: <u>1400</u>
PO#:	<u>4711TRC005</u>		

Submission #: 05-8155

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest None
 Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals: Ice Chest Containers None Comments:
 Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received
 YES NO

Ice Chest ID F/W
 Temperature: 5.9 °C
 Thermometer ID: T171

Emissivity
 Container encore

Date/Time 8/16/05 2110
 Analyst Init APM

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	1	0	1	1	1	1	1	1	1	1
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 801SM										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE	A	A	A	A	A	A	A	A	A	A

Comments: _____

Sample Numbering Completed By: APM

Date/Time: 8/16/05 2255

Submission #: 65-8155

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest None
 Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals: Ice Chest Containers None Comments:
 Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received
 YES NO

Ice Chest ID L/W
 Temperature: 5.9 °C
 Thermometer ID: TH71

Emissivity
 Container encore

Date/Time 8/16/04 7:11
 Analyst Init AFM

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QAQC										
QT AMBER										
3 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE	A	A	A	A	A	A	A	A	A	A

Comments: _____

Sample Numbering Completed By:

AFM

Date/Time:

8/16/04 7:25



BC *Laboratories, Inc.*

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Norderstam

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
0508155-01	COC Number: --- Project Number: 0353 Sampling Location: VNW-3B/C Sampling Point: VNW-3B/C@6.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 07:59 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:
0508155-02	COC Number: --- Project Number: 0353 Sampling Location: VNW-3B/C Sampling Point: VNW-3B/C@111.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 08:04 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:
0508155-03	COC Number: --- Project Number: 0353 Sampling Location: VNW-3B/C Sampling Point: VNW-3B/C@15.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 08:07 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:
0508155-04	COC Number: --- Project Number: 0353 Sampling Location: VNW-3B/C Sampling Point: VNW-3B/C@21.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 08:11 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:
0508155-05	COC Number: --- Project Number: 0353 Sampling Location: VNW-3B/C Sampling Point: VNW-3B/C@26.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 08:16 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:

BC Laboratories

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BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
0508155-06	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@31.0' Sampled By: Robert Ponce/Sean Owens of TRCI
0508155-07	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@36.0' Sampled By: Robert Ponce/Sean Owens of TRCI
0508155-08	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@41.0' Sampled By: Robert Ponce/Sean Owens of TRCI
0508155-09	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@46.0' Sampled By: Robert Ponce/Sean Owens of TRCI
0508155-10	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@51.0' Sampled By: Robert Ponce/Sean Owens of TRCI



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information	
0508155-11	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@F56.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 08:54 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:
0508155-12	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@F61.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 09:03 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:
0508155-13	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@F65.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 09:11 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:
0508155-14	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@F71.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 09:23 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:
0508155-15	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@F75.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 09:32 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam
Reported: 08/24/05 08:32

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information	
0508155-16	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@81.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 09:41 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:
0508155-17	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@86.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 09:44 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:
0508155-18	COC Number: --- Project Number: 0353 Sampling Location: VW-3B/C Sampling Point: VW-3B/C@91.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/16/05 21:10 Sampling Date: 08/16/05 09:54 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam
Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508155-01		Client Sample Name:		0353, VW-3B/C, VW-3B/C@6.0'		8/16/2005		7:59:00AM, Robert Ponce/Sean Owens	
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	Instrum-	QC	MB
									ment ID	Batch ID	Bias
Benzene	ND	mg/kg	0.0042	0.00063	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	0.84	BOH0322
Ethylbenzene	ND	mg/kg	0.0042	0.0010	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	0.84	BOH0322
Methyl t-butyl ether	ND	mg/kg	0.0042	0.00072	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	0.84	BOH0322
Toluene	ND	mg/kg	0.0042	0.0011	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	0.84	BOH0322
Total Xylenes	ND	mg/kg	0.0084	0.0042	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	0.84	BOH0322
t-Amyl Methyl ether	ND	mg/kg	0.00084	0.00022	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	0.84	BOH0322
t-Butyl alcohol	ND	mg/kg	0.17	0.025	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	0.84	BOH0322
Diisopropyl ether	ND	mg/kg	0.0042	0.00044	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	0.84	BOH0322
Ethanol	ND	mg/kg	0.84	0.29	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	0.84	BOH0322
Ethyl t-butyl ether	ND	mg/kg	0.00084	0.00014	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	0.84	BOH0322
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.17	0.13	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	0.84	BOH0322
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	1	BOH0322	
Toluene-d8 (Surrogate)	98.6	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	1	BOH0322	
4-Bromofluorobenzene (Surrogate)	96.6	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/17/05 20:47	MMS	MS-V2	1	BOH0322	



BC *Laboratories, Inc*

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508155-02 Client Sample Name: 0353, VW-3B/C, VW-3B/C@11.0', 8/16/2005 8:04:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrum-	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0042	0.00063	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	0.84	BOH0322	ND		
Ethylbenzene	ND	mg/kg	0.0042	0.0010	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	0.84	BOH0322	ND		
Methyl t-butyl ether	ND	mg/kg	0.0042	0.00071	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	0.84	BOH0322	ND		
Toluene	ND	mg/kg	0.0042	0.0011	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	0.84	BOH0322	ND		
Total Xylenes	ND	mg/kg	0.0084	0.0042	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	0.84	BOH0322	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00084	0.00022	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	0.84	BOH0322	ND		
t-Butyl alcohol	ND	mg/kg	0.17	0.025	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	0.84	BOH0322	ND		
Diisopropyl ether	ND	mg/kg	0.0042	0.00043	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	0.84	BOH0322	ND		
Ethanol	ND	mg/kg	0.84	0.28	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	0.84	BOH0322	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00084	0.00014	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	0.84	BOH0322	ND		
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.17	0.13	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	0.84	BOH0322	ND		
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	1	BOH0322				
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	1	BOH0322				
4-Bromofluorobenzene (Surrogate)	91.8	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	21:14	MMS	MS-V2	1	BOH0322				



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508155-03 Client Sample Name: 0353, VW-3B/C, VW-3B/C@15.5', 8/16/2005 8:07:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instru-	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0045	0.00067	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	0.89	BOH0322		ND	
Ethylbenzene	ND	mg/kg	0.0045	0.0011	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	0.89	BOH0322		ND	
Methyl t-butyl ether	ND	mg/kg	0.0045	0.00076	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	0.89	BOH0322		ND	
Toluene	ND	mg/kg	0.0045	0.0012	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	0.89	BOH0322		ND	
Total Xylenes	ND	mg/kg	0.0089	0.0045	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	0.89	BOH0322		ND	
t-Amyl Methyl ether	ND	mg/kg	0.00089	0.00023	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	0.89	BOH0322		ND	
t-Butyl alcohol	ND	mg/kg	0.18	0.027	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	0.89	BOH0322		ND	
Diisopropyl ether	ND	mg/kg	0.0045	0.00046	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	0.89	BOH0322		ND	
Ethanol	ND	mg/kg	0.89	0.30	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	0.89	BOH0322		ND	
Ethyl t-butyl ether	ND	mg/kg	0.00089	0.00015	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	0.89	BOH0322		ND	
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.18	0.14	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	0.89	BOH0322		ND	
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	1	BOH0322				
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	1	BOH0322				
4-Bromofluorobenzene (Surrogate)	99.3	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	21:40	MMS	MS-V2	1	BOH0322				



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508155-04	Client Sample Name:	0353, VW-3B/C, VW-3B/C@21.5', 8/16/2005	Prep	Run	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab Quals
Benzene	ND	mg/kg	0.0045	0.00067	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	0.90	BOH0322	ND
Ethylbenzene	ND	mg/kg	0.0045	0.0011	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	0.90	BOH0322	ND
Methyl t-butyl ether	ND	mg/kg	0.0045	0.00076	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	0.90	BOH0322	ND
Toluene	ND	mg/kg	0.0045	0.0012	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	0.90	BOH0322	ND
Total Xylenes	ND	mg/kg	0.0090	0.0045	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	0.90	BOH0322	ND
t-Amyl Methyl ether	ND	mg/kg	0.00090	0.00023	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	0.90	BOH0322	ND
t-Butyl alcohol	ND	mg/kg	0.18	0.027	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	0.90	BOH0322	ND
Diisopropyl ether	ND	mg/kg	0.0045	0.00047	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	0.90	BOH0322	ND
Ethanol	ND	mg/kg	0.90	0.30	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	0.90	BOH0322	ND
Ethyl t-butyl ether	ND	mg/kg	0.00090	0.00015	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	0.90	BOH0322	ND
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.18	0.14	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	0.90	BOH0322	ND
1,2-Dichloroethane-d4 (Surrogate)	99.2	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	1	BOH0322		
Toluene-d8 (Surrogate)	96.3	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	1	BOH0322		
4-Bromofluorobenzene (Surrogate)	97.7	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	22:07	MMS	MS-V2	1	BOH0322		



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21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508155-05 Client Sample Name: 0353, VW-3B/C, VW-3B/C@26.0', 8/16/2005 8:16:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instru-	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0040	0.00060	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	0.81	BOH0323	ND		
Ethylbenzene	ND	mg/kg	0.0040	0.00097	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	0.81	BOH0323	ND		
Methyl t-butyl ether	ND	mg/kg	0.0040	0.00069	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	0.81	BOH0323	ND		
Toluene	ND	mg/kg	0.0040	0.0010	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	0.81	BOH0323	ND		
Total Xylenes	ND	mg/kg	0.0081	0.0040	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	0.81	BOH0323	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00081	0.00021	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	0.81	BOH0323	ND		
t-Butyl alcohol	ND	mg/kg	0.16	0.024	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	0.81	BOH0323	ND		
Diisopropyl ether	ND	mg/kg	0.0040	0.00042	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	0.81	BOH0323	ND		
Ethanol	ND	mg/kg	0.81	0.27	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	0.81	BOH0323	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00081	0.00014	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	0.81	BOH0323	ND		
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.16	0.13	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	0.81	BOH0323	ND		
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	1	BOH0323				
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	1	BOH0323				
4-Bromofluorobenzene (Surrogate)	99.9	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	22:33	MMS	MS-V2	1	BOH0323				



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Project: 0353
Project Number: [none]
Project Manager: John Nordemstam
Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508155-06		Client Sample Name: 0353, VW-3B/C, VW-3B/C@31.0', 8/16/2005		Prep Run		Date	Analyst	Instrum-	QC	MB	Lab	Quals	
Constituent	Result	Units	PQL	MDL	Method			ment ID	Dilution	Batch ID	Bias		
Benzene	ND	mg/kg	0.0041	0.00062	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	0.82	BOH0323	ND
Ethylbenzene	ND	mg/kg	0.0041	0.00098	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	0.82	BOH0323	ND
Methyl t-butyl ether	ND	mg/kg	0.0041	0.00070	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	0.82	BOH0323	ND
Toluene	ND	mg/kg	0.0041	0.0011	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	0.82	BOH0323	ND
Total Xylenes	ND	mg/kg	0.0082	0.0041	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	0.82	BOH0323	ND
t-Amyl Methyl ether	ND	mg/kg	0.00082	0.00021	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	0.82	BOH0323	ND
t-Butyl alcohol	ND	mg/kg	0.16	0.025	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	0.82	BOH0323	ND
Diisopropyl ether	ND	mg/kg	0.0041	0.00043	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	0.82	BOH0323	ND
Ethanol	ND	mg/kg	0.82	0.28	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	0.82	BOH0323	ND
Ethyl t-butyl ether	ND	mg/kg	0.00082	0.00014	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	0.82	BOH0323	ND
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.16	0.13	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	0.82	BOH0323	ND
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	1	BOH0323		
Toluene-d8 (Surrogate)	98.5	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	1	BOH0323		
4-Bromofluorobenzene (Surrogate)	94.6	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/17/05	23:00	MMS	MS-V2	1	BOH0323		



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508155-07 Client Sample Name: 0353, VW-3B/C, VW-3B/C@36.0', 8/16/2005 8:24:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Date/Time	Analyst	Instrum-	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0047	0.00071	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	0.95	BOH0323	ND		
Ethylbenzene	ND	mg/kg	0.0047	0.0011	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	0.95	BOH0323	ND		
Methyl t-butyl ether	ND	mg/kg	0.0047	0.00080	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	0.95	BOH0323	ND		
Toluene	ND	mg/kg	0.0047	0.0012	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	0.95	BOH0323	ND		
Total Xylenes	ND	mg/kg	0.0094	0.0047	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	0.95	BOH0323	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00094	0.00025	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	0.95	BOH0323	ND		
t-Butyl alcohol	ND	mg/kg	0.19	0.028	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	0.95	BOH0323	ND		
Diisopropyl ether	ND	mg/kg	0.0047	0.00049	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	0.95	BOH0323	ND		
Ethanol	ND	mg/kg	0.94	0.32	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	0.95	BOH0323	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00094	0.00016	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	0.95	BOH0323	ND		
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.19	0.15	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	0.95	BOH0323	ND		
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	1	BOH0323				
Toluene-d8 (Surrogate)	95.5	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	1	BOH0323				
4-Bromofluorobenzene (Surrogate)	97.5	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 02:34	MMS	MS-V2	1	BOH0323				



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam
Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508155-08	Client Sample Name:	0353, VW-3B/C, VW-3B/C@41.0'	Prep	Run	Instru-	QC	MB	Lab			
Constituent	Result	Units	PQL	MDL	Method	Date	Analyst	Batch ID	Bias	Quals		
Benzene	ND	mg/kg	0.0042	0.00063	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	0.84	BOH0323	ND
Ethylbenzene	ND	mg/kg	0.0042	0.0010	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	0.84	BOH0323	ND
Methyl t-butyl ether	ND	mg/kg	0.0042	0.00071	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	0.84	BOH0323	ND
Toluene	ND	mg/kg	0.0042	0.0011	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	0.84	BOH0323	ND
Total Xylenes	ND	mg/kg	0.0084	0.0042	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	0.84	BOH0323	ND
t-Amyl Methyl ether	ND	mg/kg	0.00084	0.00022	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	0.84	BOH0323	ND
t-Butyl alcohol	ND	mg/kg	0.17	0.025	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	0.84	BOH0323	ND
Diisopropyl ether	ND	mg/kg	0.0042	0.00043	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	0.84	BOH0323	ND
Ethanol	ND	mg/kg	0.84	0.28	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	0.84	BOH0323	ND
Ethy t-butyl ether	ND	mg/kg	0.00084	0.00014	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	0.84	BOH0323	ND
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.17	0.13	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	0.84	BOH0323	ND
1,2-Dichloroethane-d4 (Surrogate)	97.9	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	1	BOH0323	ND	
Toluene-d8 (Surrogate)	98.6	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	1	BOH0323		
4-Bromofluorobenzene (Surrogate)	94.6	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 03:01	MMS	MS-V2	1	BOH0323		



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Project: 0353
Project Number: [none]
Project Manager: John Nordentram

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508155-09		Client Sample Name:		0353, VV-3B/C, VV-3B/C@46.0'		8/16/2005		8:36:00AM, Robert Ponce/Sean Owens					
Constituent	Result	Units	PQL	MDL	Method	Date	Prep	Run	Date/Time	Analyst	Instru-	QC	MB	Lab	Quals
											ment ID	Dilution	Batch ID	Bias	Quals
Benzene	ND	mg/kg	0.0043	0.00064	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	0.86	BOH0323	ND		
Ethylbenzene	ND	mg/kg	0.0043	0.0010	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	0.86	BOH0323	ND		
Methyl t-butyl ether	ND	mg/kg	0.0043	0.00073	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	0.86	BOH0323	ND		
Toluene	ND	mg/kg	0.0043	0.0011	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	0.86	BOH0323	ND		
Total Xylenes	ND	mg/kg	0.0086	0.0043	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	0.86	BOH0323	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00086	0.00022	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	0.86	BOH0323	ND		
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	0.86	BOH0323	ND		
Diisopropyl ether	ND	mg/kg	0.0043	0.00045	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	0.86	BOH0323	ND		
Ethanol	ND	mg/kg	0.86	0.29	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	0.86	BOH0323	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00086	0.00015	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	0.86	BOH0323	ND		
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.17	0.14	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	0.86	BOH0323	ND		
1,2-Dichloroethane-d4 (Surrogate)	110	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	1	BOH0323				
Toluene-d8 (Surrogate)	94.5	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	1	BOH0323				
4-Bromofluorobenzene (Surrogate)	95.9	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	03:28	MMS	MS-V2	1	BOH0323				



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508155-10 Client Sample Name: 0353, VW-3B/C, VW-3B/C@51.0', 8/16/2005 8:44:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	Instru-	QC	MB	Lab	Quals
Benzene	0.0047	mg/kg	0.0052	0.00077	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323	ND	J
Ethylbenzene	0.017	mg/kg	0.0052	0.0012	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323	ND	
Methyl t-butyl ether	0.0021	mg/kg	0.0052	0.00088	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323	ND	J
Toluene	0.067	mg/kg	0.0052	0.0013	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323	ND	
Total Xylenes	0.089	mg/kg	0.010	0.0052	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0010	0.00027	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323	ND	
t-Butyl alcohol	ND	mg/kg	0.21	0.031	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323	ND	
Diisopropyl ether	ND	mg/kg	0.0052	0.00054	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323	ND	
Ethanol	ND	mg/kg	1.0	0.35	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0010	0.00018	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323	ND	
Total Purgeable Petroleum Hydrocarbons	0.81	mg/kg	0.21	0.16	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323	ND	
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323			
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323			
4-Bromofluorobenzene (Surrogate)	95.0	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 03:55	MMS	MS-V2	1.03	BOH0323			



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Project:	0353
Project Number:	[none]
Project Manager:	John Nordenstam

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508155-11		Client Sample Name: 0353, VW-3B/C, VW-3B/C@56.0'		Prep Run		Date/Time		Analyst		Instrument ID		Dilution		Batch ID		QC		MB		Lab Quals	
Constituent	Result	Units	PQL	MDL	Method	Date	Run														
Benzene	ND	mg/kg	0.0043	0.00065	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	0.87	BOH0323									ND
Ethylbenzene	0.0073	mg/kg	0.0043	0.0010	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	0.87	BOH0323									ND
Methyl t-butyl ether	ND	mg/kg	0.0043	0.00074	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	0.87	BOH0323									ND
Toluene	0.019	mg/kg	0.0043	0.0011	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	0.87	BOH0323									ND
Total Xylenes	0.040	mg/kg	0.0086	0.0043	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	0.87	BOH0323									ND
t-Amyl Methyl ether	ND	mg/kg	0.00087	0.00022	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	0.87	BOH0323									ND
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	0.87	BOH0323									ND
Diisopropyl ether	ND	mg/kg	0.0043	0.00045	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	0.87	BOH0323									ND
Ethanol	ND	mg/kg	0.86	0.29	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	0.87	BOH0323									ND
Ethyl t-butyl ether	ND	mg/kg	0.00087	0.00015	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	0.87	BOH0323									ND
Total Purgeable Petroleum Hydrocarbons	0.46	mg/kg	0.17	0.14	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	0.87	BOH0323									ND
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	1	BOH0323										
Toluene-d8 (Surrogate)	99.9	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	1	BOH0323										
4-Bromofluorobenzene (Surrogate)	99.3	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	04:22	MMS	MS-V2	1	BOH0323										



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508155-12 Client Sample Name: 0353, VW-3B/C, VW-3B/C@61.0', 8/16/2005 9:03:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrum-	Batch ID	QC	MB	Lab	Quals
Benzene	0.0019	mg/kg	0.0054	0.00082	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323	ND	J	
Ethylbenzene	0.010	mg/kg	0.0054	0.0013	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323	ND		
Methyl t-butyl ether	ND	mg/kg	0.0054	0.00093	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323	ND		
Toluene	0.039	mg/kg	0.0054	0.0014	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323	ND		
Total Xylenes	0.052	mg/kg	0.011	0.0054	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323	ND		
t-Amyl Methyl ether	ND	mg/kg	0.0011	0.00028	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323	ND		
t-Butyl alcohol	ND	mg/kg	0.22	0.033	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323	ND		
Diisopropyl ether	ND	mg/kg	0.0054	0.00057	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323	ND		
Ethanol	ND	mg/kg	1.1	0.37	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323	ND		
Ethyl t-butyl ether	ND	mg/kg	0.0011	0.00019	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323	ND		
Total Purgeable Petroleum Hydrocarbons	0.52	mg/kg	0.22	0.17	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323	ND		
1,2-Dichloroethane-d4 (Surrogate)	110	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323				
Toluene-d8 (Surrogate)	97.1	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323				
4-Bromofluorobenzene (Surrogate)	88.5	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	04:48	MMS	MS-V2	1.09	BOH0323				



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21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508155-13	Client Sample Name:	0353, VW-3B/C, VW-3B/C@65.5'	Prep Run	Date/Time	Analyst	Instrum-	QC	MB	Lab	
Constituent	Result	Units	PQL	MDL	Method	Date	ment ID	Dilution	Batch ID	Bias	Quals
Benzene	0.033	mg/kg	0.0039	0.00059	EPA-8260	08/17/05 08/18/05 06:01	MMS	MS-V2	0.79	BOH0323	ND
Ethylbenzene	0.87	mg/kg	0.78	0.19	EPA-8260	08/17/05 08/20/05 02:43	MMS	MS-V2	156.7	BOH0323	ND
Methyl t-butyl ether	0.0039	mg/kg	0.0039	0.00067	EPA-8260	08/17/05 08/18/05 06:01	MMS	MS-V2	0.79	BOH0323	ND
Toluene	1.4	mg/kg	0.78	0.20	EPA-8260	08/17/05 08/20/05 02:43	MMS	MS-V2	156.7	BOH0323	ND
Total Xylenes	5.0	mg/kg	1.6	0.78	EPA-8260	08/17/05 08/20/05 02:43	MMS	MS-V2	156.7	BOH0323	ND
t-Amyl Methyl ether	ND	mg/kg	0.00079	0.00020	EPA-8260	08/17/05 08/18/05 06:01	MMS	MS-V2	0.79	BOH0323	ND
t-Butyl alcohol	ND	mg/kg	0.16	0.024	EPA-8260	08/17/05 08/18/05 06:01	MMS	MS-V2	0.79	BOH0323	ND
Diisopropyl ether	ND	mg/kg	0.0039	0.00041	EPA-8260	08/17/05 08/18/05 06:01	MMS	MS-V2	0.79	BOH0323	ND
Ethanol	ND	mg/kg	0.79	0.27	EPA-8260	08/17/05 08/18/05 06:01	MMS	MS-V2	0.79	BOH0323	ND
Ethyl t-butyl ether	ND	mg/kg	0.00079	0.00013	EPA-8260	08/17/05 08/18/05 06:01	MMS	MS-V2	0.79	BOH0323	ND
Total Purgeable Petroleum Hydrocarbons	79	mg/kg	31	25	EPA-8260	08/17/05 08/20/05 02:43	MMS	MS-V2	156.7	BOH0323	ND
1,2-Dichloroethane-d4 (Surrogate)	98.6	%	70 - 121	(LCL - UCL)	EPA-8260	08/17/05 08/20/05 02:43	MMS	MS-V2	156.7	BOH0323	
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121	(LCL - UCL)	EPA-8260	08/17/05 08/18/05 06:01	MMS	MS-V2	1	BOH0323	
Toluene-d8 (Surrogate)	106	%	81 - 117	(LCL - UCL)	EPA-8260	08/17/05 08/18/05 06:01	MMS	MS-V2	1	BOH0323	
Toluene-d8 (Surrogate)	103	%	81 - 117	(LCL - UCL)	EPA-8260	08/17/05 08/20/05 02:43	MMS	MS-V2	156.7	BOH0323	
4-Bromofluorobenzene (Surrogate)	97.7	%	74 - 121	(LCL - UCL)	EPA-8260	08/17/05 08/18/05 06:01	MMS	MS-V2	1	BOH0323	
4-Bromofluorobenzene (Surrogate)	90.6	%	74 - 121	(LCL - UCL)	EPA-8260	08/17/05 08/20/05 02:43	MMS	MS-V2	156.7	BOH0323	



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Project: 0353
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Project Manager: John Nordemstam

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508155-14	Client Sample Name:	0353, VW-3B/C, VW-3B/C@71.0', 8/16/2005	9:23:00AM, Robert Ponce/Sean Owens	QC	MB	Lab									
Constituent		Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrum-	ment ID	Dilution	Batch ID	Bias	Quals
Benzene		0.0015	mg/kg	0.0043	0.00064	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	0.86	BOH0323	ND	J	
Ethylbenzene		0.013	mg/kg	0.0043	0.0010	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	0.86	BOH0323	ND		
Methyl t-butyl ether		0.050	mg/kg	0.0043	0.00073	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	0.86	BOH0323	ND		
Toluene		0.040	mg/kg	0.0043	0.0011	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	0.86	BOH0323	ND		
Total Xylenes		0.073	mg/kg	0.0086	0.0043	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	0.86	BOH0323	ND		
t-Amyl Methyl ether		ND	mg/kg	0.00086	0.00022	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	0.86	BOH0323	ND		
t-Butyl alcohol		ND	mg/kg	0.17	0.026	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	0.86	BOH0323	ND		
Diisopropyl ether		ND	mg/kg	0.0043	0.00045	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	0.86	BOH0323	ND		
Ethanol		ND	mg/kg	0.86	0.29	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	0.86	BOH0323	ND		
Ethyl t-butyl ether		ND	mg/kg	0.00086	0.00015	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	0.86	BOH0323	ND		
Total Purgeable Petroleum Hydrocarbons		0.51	mg/kg	0.17	0.14	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	0.86	BOH0323	ND		
1,2-Dichloroethane-d4 (Surrogate)		99.6	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	1	BOH0323				
Toluene-d8 (Surrogate)		95.5	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	1	BOH0323				
4-Bromofluorobenzene (Surrogate)		93.5	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/22/05	15:16	MMS	MS-V2	1	BOH0323				



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508155-15 Client Sample Name: 0353, VW-3B/C, VW-3B/C@75.5', 8/16/2005 9:32:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrum-	QC	MB	Lab	Quals
Benzene	0.0010	mg/kg	0.0052	0.00077	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323	ND	J
Ethylbenzene	0.013	mg/kg	0.0052	0.0012	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323	ND	
Methyl t-butyl ether	0.039	mg/kg	0.0052	0.00088	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323	ND	
Toluene	0.033	mg/kg	0.0052	0.0013	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323	ND	
Total Xylenes	0.072	mg/kg	0.010	0.0052	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0010	0.00027	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323	ND	
t-Butyl alcohol	ND	mg/kg	0.21	0.031	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323	ND	
Diisopropyl ether	ND	mg/kg	0.0052	0.00054	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323	ND	
Ethanol	ND	mg/kg	1.0	0.35	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0010	0.00018	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323	ND	
Total Purgeable Petroleum Hydrocarbons	0.65	mg/kg	0.21	0.16	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323	ND	
1,2-Dichloroethane-d4 (Surrogate)	93.7	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323			
Toluene-d8 (Surrogate)	99.8	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323			
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	06:54	MMS	MS-V2	1.03	BOH0323			



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508155-16 Client Sample Name: 0353, VW-3B/C, VW-3B/C@81.0', 8/16/2005 9:41:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrum-	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0050	0.00076	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323	ND	
Ethylbenzene	0.0014	mg/kg	0.0050	0.0012	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323	ND	J
Methyl t-butyl ether	0.073	mg/kg	0.0050	0.00086	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323	ND	
Toluene	0.0030	mg/kg	0.0050	0.0013	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323	ND	J
Total Xylenes	0.0079	mg/kg	0.010	0.0050	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323	ND	J
t-Amyl Methyl ether	ND	mg/kg	0.0010	0.00026	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323	ND	
t-Butyl alcohol	ND	mg/kg	0.20	0.030	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323	ND	
Diisopropyl ether	ND	mg/kg	0.0050	0.00053	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323	ND	
Ethanol	ND	mg/kg	1.0	0.34	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0010	0.00017	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323	ND	
Total Purgeable Petroleum Hydrocarbons	0.30	mg/kg	0.20	0.16	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323	ND	A53
1,2-Dichloroethane-d4 (Surrogate)	97.5	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323			
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323			
4-Bromofluorobenzene (Surrogate)	94.5	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	07:21	MMS	MS-V2	1.01	BOH0323			



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Project: 0353
Project Number: [none]
Project Manager: John Nordemstam

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508155-17	Client Sample Name:	0353, VW-3B/C, VW-3B/C@@86.0', 8/16/2005	9:44:00AM, Robert Ponce/Sean Owens	QC	MB	Lab				
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Instrum-	Batch ID	Bias	Quals
Benzene	ND	mg/kg	0.0056	0.00085	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323
Ethylbenzene	0.0081	mg/kg	0.0056	0.0014	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323
Methyl t-butyl ether	0.021	mg/kg	0.0056	0.00096	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323
Toluene	0.012	mg/kg	0.0056	0.0015	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323
Total Xylenes	0.046	mg/kg	0.011	0.0056	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323
t-Amyl Methyl ether	ND	mg/kg	0.0011	0.00029	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323
t-Butyl alcohol	ND	mg/kg	0.23	0.034	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323
Diisopropyl ether	ND	mg/kg	0.0056	0.00059	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323
Ethanol	ND	mg/kg	1.1	0.38	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323
Ethyl t-butyl ether	ND	mg/kg	0.0011	0.00019	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323
Total Purgeable Petroleum Hydrocarbons	0.60	mg/kg	0.23	0.18	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323
1,2-Dichloroethane-d4 (Surrogate)	98.9	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323	
Toluene-d8 (Surrogate)	98.4	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323	
4-Bromofluorobenzene (Surrogate)	90.5	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 07:48	MMS	MS-V2	1.13	BOH0323	



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508155-18	Client Sample Name:	0353, VW-3B/C, VW-3B/C@91.5'			8/16/2005	9:54:00AM	Robert Ponce/Sean Owens	QC	MB	Lab	Quals
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrum-	Batch ID	Bias	J
Benzene	0.0022	mg/kg	0.0038	0.00057	EPA-8260	08/17/05	08/18/05	08:15	MMS	MS-V2	0.76	BOH0323	ND
Ethylbenzene	0.051	mg/kg	0.0038	0.00091	EPA-8260	08/17/05	08/18/05	08:15	MMS	MS-V2	0.76	BOH0323	ND
Methyl t-butyl ether	0.63	mg/kg	0.22	0.037	EPA-8260	08/17/05	08/20/05	03:09	MMS	MS-V2	43.30	BOH0323	ND
Toluene	ND	mg/kg	0.0038	0.00099	EPA-8260	08/17/05	08/18/05	08:15	MMS	MS-V2	0.76	BOH0323	ND
Total Xylenes	0.29	mg/kg	0.0076	0.0038	EPA-8260	08/17/05	08/18/05	08:15	MMS	MS-V2	0.76	BOH0323	ND
t-Amyl Methyl ether	ND	mg/kg	0.00076	0.00020	EPA-8260	08/17/05	08/18/05	08:15	MMS	MS-V2	0.76	BOH0323	ND
t-Butyl alcohol	ND	mg/kg	0.15	0.023	EPA-8260	08/17/05	08/18/05	08:15	MMS	MS-V2	0.76	BOH0323	ND
Diisopropyl ether	ND	mg/kg	0.0038	0.00040	EPA-8260	08/17/05	08/18/05	08:15	MMS	MS-V2	0.76	BOH0323	ND
Ethanol	ND	mg/kg	0.76	0.26	EPA-8260	08/17/05	08/18/05	08:15	MMS	MS-V2	0.76	BOH0323	ND
Ethyl t-butyl ether	ND	mg/kg	0.00076	0.00013	EPA-8260	08/17/05	08/18/05	08:15	MMS	MS-V2	0.76	BOH0323	ND
Total Purgeable Petroleum Hydrocarbons	19	mg/kg	8.7	6.9	EPA-8260	08/17/05	08/20/05	03:09	MMS	MS-V2	43.30	BOH0323	ND
1,2-Dichloroethane-d4 (Surrogate)	89.4	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/20/05	03:09	MMS	MS-V2	43.30	BOH0323		
1,2-Dichloroethane-d4 (Surrogate)	93.2	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	08:15	MMS	MS-V2	1	BOH0323		
Toluene-d8 (Surrogate)	96.7	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	08:15	MMS	MS-V2	1	BOH0323		
Toluene-d8 (Surrogate)	106	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/20/05	03:09	MMS	MS-V2	43.30	BOH0323		
4-Bromofluorobenzene (Surrogate)	93.0	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	08:15	MMS	MS-V2	1	BOH0323		
4-Bromofluorobenzene (Surrogate)	99.0	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/20/05	03:09	MMS	MS-V2	43.30	BOH0323		



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Project: 0353
Project Number: [none]
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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Spike Added	Units	RPD Recovery	Control Limits	
								Percent	Percent Recovery Lab Quals
Benzene	BOH0322	BOH0322-MS1	Matrix Spike	ND	0.12479	0.12500	mg/kg	99.8	70 - 130
		BOH0322-MSD1	Matrix Spike Duplicate	ND	0.12255	0.12500	mg/kg	98.0	20
Toluene	BOH0322	BOH0322-MS1	Matrix Spike	ND	0.11701	0.12500	mg/kg	93.6	70 - 130
		BOH0322-MSD1	Matrix Spike Duplicate	ND	0.12799	0.12500	mg/kg	8.59	102
1,2-Dichloroethane-d4 (Surrogate)	BOH0322	BOH0322-MS1	Matrix Spike	ND	0.050030	0.050000	mg/kg	100	70 - 130
		BOH0322-MSD1	Matrix Spike Duplicate	ND	0.050480	0.050000	mg/kg	101	70 - 121
Toluene-d8 (Surrogate)	BOH0322	BOH0322-MS1	Matrix Spike	ND	0.046730	0.050000	mg/kg	93.5	81 - 117
		BOH0322-MSD1	Matrix Spike Duplicate	ND	0.052480	0.050000	mg/kg	105	81 - 117
4-Bromofluorobenzene (Surrogate)	BOH0322	BOH0322-MS1	Matrix Spike	ND	0.052050	0.050000	mg/kg	104	74 - 121
		BOH0322-MSD1	Matrix Spike Duplicate	ND	0.053650	0.050000	mg/kg	107	74 - 121
Benzene	BOH0323	BOH0323-MS1	Matrix Spike	ND	0.12045	0.12500	mg/kg	96.4	70 - 130
		BOH0323-MSD1	Matrix Spike Duplicate	ND	0.12179	0.12500	mg/kg	1.03	97.4
Toluene	BOH0323	BOH0323-MS1	Matrix Spike	ND	0.12498	0.12500	mg/kg	100	70 - 130
		BOH0323-MSD1	Matrix Spike Duplicate	ND	0.11485	0.12500	mg/kg	8.44	20
1,2-Dichloroethane-d4 (Surrogate)	BOH0323	BOH0323-MS1	Matrix Spike	ND	0.049440	0.050000	mg/kg	98.9	70 - 121
		BOH0323-MSD1	Matrix Spike Duplicate	ND	0.048740	0.050000	mg/kg	97.5	70 - 121
Toluene-d8 (Surrogate)	BOH0323	BOH0323-MS1	Matrix Spike	ND	0.050080	0.050000	mg/kg	100	81 - 117
		BOH0323-MSD1	Matrix Spike Duplicate	ND	0.046100	0.050000	mg/kg	92.2	81 - 117
4-Bromofluorobenzene (Surrogate)	BOH0323	BOH0323-MS1	Matrix Spike	ND	0.049190	0.050000	mg/kg	98.4	74 - 121
		BOH0323-MSD1	Matrix Spike Duplicate	ND	0.047190	0.050000	mg/kg	94.4	74 - 121



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Control Limits		
								Percent Recovery	RPD	Lab Quals
Benzene	BOH0322	BOH0322-BS1	LCS	0.12156	0.12500	0.0050	mg/kg	97.2	70 - 130	
Toluene	BOH0322	BOH0322-BS1	LCS	0.12140	0.12500	0.0050	mg/kg	97.1	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOH0322	BOH0322-BS1	LCS	0.050280	0.050000		mg/kg	101	70 - 121	
Toluene-d8 (Surrogate)	BOH0322	BOH0322-BS1	LCS	0.049310	0.050000		mg/kg	98.6	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH0322	BOH0322-BS1	LCS	0.049480	0.050000		mg/kg	99.0	74 - 121	
Benzene	BOH0323	BOH0323-BS1	LCS	0.12193	0.12500	0.0050	mg/kg	97.5	70 - 130	
Toluene	BOH0323	BOH0323-BS1	LCS	0.11872	0.12500	0.0050	mg/kg	95.0	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOH0323	BOH0323-BS1	LCS	0.048040	0.050000		mg/kg	96.1	70 - 121	
Toluene-d8 (Surrogate)	BOH0323	BOH0323-BS1	LCS	0.049250	0.050000		mg/kg	98.5	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH0323	BOH0323-BS1	LCS	0.050760	0.050000		mg/kg	102	74 - 121	



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordensram

Reported: 08/24/05 08:32

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0050	0.00075	
Ethylbenzene	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0050	0.0012	
Methyl t-butyl ether	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0050	0.00085	
Toluene	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0050	0.0013	
Total Xylenes	BOH0322	BOH0322-BLK1	ND	mg/kg	0.010	0.0050	
t-Amyl Methyl ether	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0010	0.00026	
t-Butyl alcohol	BOH0322	BOH0322-BLK1	ND	mg/kg	0.20	0.030	
Diisopropyl ether	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0050	0.00052	
Ethanol	BOH0322	BOH0322-BLK1	ND	mg/kg	1.0	0.34	
Ethyl t-butyl ether	BOH0322	BOH0322-BLK1	ND	mg/kg	0.0010	0.00017	
Total Purgeable Petroleum Hydrocarbons	BOH0322	BOH0322-BLK1	ND	mg/kg	0.20	0.16	
1,2-Dichloroethane-d4 (Surrogate)	BOH0322	BOH0322-BLK1	88.8	%	70 - 121	(LCL - UCL)	
Toluene-d8 (Surrogate)	BOH0322	BOH0322-BLK1	99.2	%	81 - 117	(LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BOH0322	BOH0322-BLK1	91.0	%	74 - 121	(LCL - UCL)	
Benzene	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0050	0.00075	
Ethylbenzene	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0050	0.0012	
Methyl t-butyl ether	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0050	0.00085	
Toluene	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0050	0.0013	
Total Xylenes	BOH0323	BOH0323-BLK1	ND	mg/kg	0.010	0.0050	
t-Amyl Methyl ether	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0010	0.00026	
t-Butyl alcohol	BOH0323	BOH0323-BLK1	ND	mg/kg	0.20	0.030	
Diisopropyl ether	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0050	0.00052	
Ethanol	BOH0323	BOH0323-BLK1	ND	mg/kg	1.0	0.34	
Ethyl t-butyl ether	BOH0323	BOH0323-BLK1	ND	mg/kg	0.20	0.030	
Total Purgeable Petroleum Hydrocarbons	BOH0323	BOH0323-BLK1	ND	mg/kg	0.20	0.16	

BC Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Page 25 of 27

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BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstram

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	BOH0323	BOH0323-BLK1	106	%	70 - 121	(LCL - UCL)	
Toluene-d8 (Surrogate)	BOH0323	BOH0323-BLK1	98.3	%	81 - 117	(LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BOH0323	BOH0323-BLK1	90.3	%	74 - 121	(LCL - UCL)	



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:32

Notes and Definitions

J	Estimated value
A53	Chromatogram not typical of gasoline
A01	PQL's and MDL's are raised due to sample dilution.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference



Date of Report: 08/24/2005

John Nordenstam

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

RE: 0353

BC Lab Number: 0508203

Enclosed are the results of analyses for samples received by the laboratory on 08/17/05 19:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Vanessa Surratt".
Contact Person: Vanessa Surratt
Client Service Rep

A handwritten signature in black ink, appearing to read "John Nordenstam".
Authorized Signature



Chain of Custody Form

PLEASE COMPLETE
BEFORE QUOTED.

Report To:
Client: TRC

Project #: 20094806

Project Name: Fmr. 76 Station 0353

Attn: John Nordenstam

Project Code:

Address: 21 Technology Drive

City, State, Zip: Irvine, CA 92618

Phone: (949) 753-0101 Fax: (949) 753-0111

Email Address:

Submittal #:

05-8203

Analysis Requested

Comments:
Fuel Oxy's = MTBE, TAME, DIPE,
ETBE, TBA, Ethane

49439 Page 1 of 2

Sample #	Description	Date Sampled	Time Sampled
-1	VW-2B/C e 6.0'	08/17/05	0729
-2	VW-2B/C e 11.0'	08/17/05	0733
-3	VW-2B/C e 16.0'	08/17/05	0737
-4	VW-2B/C e 21.5'	08/17/05	0741
-5	VW-2B/C e 25.5'	08/17/05	0745
-6	VW-2B/C e 30.5'	08/17/05	0750
-7	VW-2B/C e 36.0'	08/17/05	0752
-8	VW-2B/C e 41.0'	08/17/05	0756
-9	VW-2B/C e 46.0'	08/17/05	0800
-10	VW-2B/C e 51.0'	08/17/05	0804
-11	VW-2B/C e 55.5'	08/17/05	0813
-12	VW-2B/C e 61.0'	08/17/05	0821
-13	VW-2B/C e 65.5'	08/17/05	0829
-14	VW-2B/C e 70.5'	08/17/05	0936

Sample Matrix	Turnaround*		Notes
	# of work days	Time	
Soil	X	48 hours	
Ground Water	X	48 hours	
Drinking Water	X	48 hours	
Fuel Oxy's (82608)	X	48 hours	
TPH-G (82608)	X	48 hours	
MTBE (82608)	X	48 hours	
TAME (82608)	X	48 hours	
DIPE (82608)	X	48 hours	
ETBE (82608)	X	48 hours	
Ethane	X	48 hours	
Other	X	48 hours	

Billing	Report Drinking Waters on State Form?		Sample Disposal	Special Reporting	
	<input type="checkbox"/> Same as above	<input type="checkbox"/> No		<input type="checkbox"/> WIP	<input type="checkbox"/> Raw Data
Client: Conoco Phillips Company	<input type="checkbox"/> Yes	<input type="checkbox"/> No	1. Relinquished By	Date 8/17/05	Time 13:55
Address: 3601 S. Harbor Blvd., Ste. 200			2. Relinquished By	Date 8/17/05	Time 13:55
City: Santa Ana	State: CA	Zip: 92704	Send Copy to State of CA?		
Att: Shari London			3. Relinquished By	Date 8/17/05	Time 13:55
PO#:	4711TRCOOS				



Chain of Custody Form

Report To:
Client: TRC

Project #: 200941806
Project Name: Form 765 Status
Attn: John Nordstrom
Street Address: 21 Technology Dr.
City, State, Zip: Irvine, CA 92618
Phone: 949-753-0111 Fax: 949-753-0111
Email Address:

Analysis Requested

Sample #	Description	Date Sampled	Time Sampled	Sample Matrix												
				Soil	Sediment	Drinking Water	Ground Water	Waste Water	Other	Legend:	Comments: Fuel Oils - MTBE, TAME, DIPE, ETBE, TBA, Ethanol					
-15	VW-2B/C D 76.5'	8/17/05	0950	X	X	X	X	X	X	NR						
-16	VW-2B/C D 81.0'	8/17/05	0859	X	X	X	X	X	X	NR						
-17	VW-2B/C D 86.0'	8/17/05	0906	X	X	X	X	X	X	NR						
-18	VW-2B/C D 91.0'	8/17/05	0914	X	X	X	X	X	X	NR						

Billing Client: Conoco Phillips Company
Address: 3611 S. Harbor Blvd. Ste 200
City: Santa Ana State: CA Zip: 92704
Attn: Shareen London PO#: 4771 TRC 005

Same as above Same as above
 Report Drinking Waters on State Form? Yes No
1. Relinquished By: Jeffrey G. Phillips
2. Relinquished By: Jeffrey G. Phillips
3. Relinquished By: Jeffrey G. Phillips

Sample Disposal Disposal by lab Disposal to Client Return to Client
1. Received By: Jeffrey G. Phillips Date: 8/17/05 Time: 1355 QC WIP Raw Data
2. Received By: Jeffrey G. Phillips Date: 8/17/05 Time: 1355 QC WIP Raw Data
3. Received By: Jeffrey G. Phillips Date: 8/17/05 Time: 1355 QC WIP Raw Data

BC LABORATORIES INC.

SAMPLE RECEIPT FORM

Rev. No. 10

01/21/04

Page 1 Of 2

Submission #: OS-8203

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest Box None
 Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals: Ice Chest Containers None Comments: _____
 Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received
 YES NO

Ice Chest ID R/W
 Temperature: 14.4 °C
 Thermometer ID: THTI

Emissivity
 Container encore

Date/Time 8/17/04 14:35
 Analyst Init ARM

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	1	1	1	1	1	1	1	1	1	1
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE	A	A	A	A	A	A	A	A	A	A

Comments: _____

Sample Numbering Completed By: ARM

Date/Time:

8/17/04 14:20

Submission #:

05-8203

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest None
 Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals: Ice Chest Containers None Comments:
 Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received
 YES NO

Ice Chest ID: R/W
 Temperature: 14.4 °C
 Thermometer ID: TH71

Emissivity
 Container: encore

Date/Time 8/17/04 1935
 Analyst Init: AP/EM

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	11	12	13	14	15	16	17	18	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	1	1	1	1	1	1	1	1	1	1
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
OZ. JAR										
2 OZ. JAR										
OIL SLEEVE										
CB VIAL										
LASTIC BAG										
ERROUS IRON										
ENCORE	A	A	A	A	A	A	A	A		

Comments: _____

Sample Numbering Completed By: AP/EM

Date/Time:

8/17/04 2120



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam
Reported: 08/24/05 08:35

Laboratory / Client Sample Cross Reference

Laboratory Client Sample Information

Laboratory	Client Sample Information				
0508203-01	COC Number: --- Project Number: 0353 Sampling Location: VW-2B/C Sampling Point: VW-2B/C@6.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 07:29 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:		
0508203-02	COC Number: --- Project Number: 0353 Sampling Location: VW-2B/C Sampling Point: VW-2B/C@11.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 07:33 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:		
0508203-03	COC Number: --- Project Number: 0353 Sampling Location: VW-2B/C Sampling Point: VW-2B/C@16.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 07:37 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:		
0508203-04	COC Number: --- Project Number: 0353 Sampling Location: VW-B/C Sampling Point: VW-2B/C@21.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 07:41 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:		
0508203-05	COC Number: --- Project Number: 0353 Sampling Location: VW-2B/C Sampling Point: VW-2B/C@25.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 07:45 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:		



Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:35

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
0508203-06	COC Number: --- Project Number: 0353 Sampling Location: VW-B/C Sampling Point: VW-2B/C@30.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 07:50 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:
0508203-07	COC Number: --- Project Number: 0353 Sampling Location: VW-2B/C Sampling Point: VW-2B/C@36.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 07:52 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:
0508203-08	COC Number: --- Project Number: 0353 Sampling Location: VW-2B/C Sampling Point: VW-2B/C@41.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 07:56 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:
0508203-09	COC Number: --- Project Number: 0353 Sampling Location: VW-2B/C Sampling Point: VW-2B/C@46.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 08:00 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:
0508203-10	COC Number: --- Project Number: 0353 Sampling Location: VW-2B/C Sampling Point: VW-2B/C@51.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 08:04 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Sample QC Type (SACode): CS Cooler ID:



Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
0508203-11	COC Number: --- Project Number: 0353 Sampling Location: V\W-2B/C Sampling Point: V\W-2B/C@55.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 08:13 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW): Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:
0508203-12	COC Number: --- Project Number: 0353 Sampling Location: V\W-2B/C Sampling Point: V\W-2B/C@61.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 08:21 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW): Global ID: Matrix: W Samle QC Type (SACode): CS Cooler ID:
0508203-13	COC Number: --- Project Number: 0353 Sampling Location: V\W-2B/C Sampling Point: V\W-2B/C@65.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 08:29 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW): Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:
0508203-14	COC Number: --- Project Number: 0353 Sampling Location: V\W-2B/C Sampling Point: V\W-2B/C@70.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 08:36 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW): Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:
0508203-15	COC Number: --- Project Number: 0353 Sampling Location: V\W-2B/C Sampling Point: V\W-2B/C@76.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 08:50 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW): Global ID: Matrix: SO Samle QC Type (SACode): CS Cooler ID:



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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
0508203-16	COC Number: --- Project Number: 0353 Sampling Location: VW-2B/C Sampling Point: VW-2B/C@81.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 08:59 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW): Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:
0508203-17	COC Number: --- Project Number: 0353 Sampling Location: VW-2B/C Sampling Point: VW-2B/C@86.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 09:06 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW): Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:
0508203-18	COC Number: --- Project Number: 0353 Sampling Location: VW-2B/C Sampling Point: VW-2B/C@91.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/17/05 19:35 Sampling Date: 08/17/05 09:14 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW): Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508203-01	Client Sample Name:	0353, VW-2B/C, VW-2B/C@6.0'	8/17/2005	7:29:00AM	Robert Ponce/Sean Owens	QC	MB	Lab	Quals				
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	Bias	Quals
Benzene	ND	mg/kg	0.0058	0.00086	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323	ND	
Ethylbenzene	ND	mg/kg	0.0058	0.0014	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323	ND	
Methyl t-butyl ether	ND	mg/kg	0.0058	0.00098	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323	ND	
Toluene	ND	mg/kg	0.0058	0.0015	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323	ND	
Total Xylenes	ND	mg/kg	0.012	0.0058	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0012	0.00030	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323	ND	
t-Butyl alcohol	ND	mg/kg	0.23	0.034	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323	ND	
Diisopropyl ether	ND	mg/kg	0.0058	0.00060	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323	ND	
Ethanol	ND	mg/kg	1.2	0.39	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0012	0.00020	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323	ND	
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.23	0.18	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323	ND	
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121	(LCL - UCL)	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323		
Toluene-d8 (Surrogate)	97.0	%	81 - 117	(LCL - UCL)	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323		
4-Bromofluorobenzene (Surrogate)	94.6	%	74 - 121	(LCL - UCL)	EPA-8260	08/17/05	08/18/05	14:46	MMS	MS-V2	1.15	BOH0323		



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508203-02	Client Sample Name:	0353, VW-2B/C, VW-2B/C@11.0', 8/17/2005	7:33:00AM, Robert Ponce/Sean Owens	QC	MB	Lab						
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Date/Time	Analyst	Instrum-	Dilution	Batch ID	Bias	Quais
Benzene	ND	mg/kg	0.0059	0.00088	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323	ND	
Ethylbenzene	ND	mg/kg	0.0059	0.0014	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323	ND	
Methyl t-butyl ether	ND	mg/kg	0.0059	0.0010	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323	ND	
Toluene	ND	mg/kg	0.0059	0.0015	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323	ND	
Total Xylenes	ND	mg/kg	0.012	0.0059	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0012	0.00031	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323	ND	
t-Butyl alcohol	ND	mg/kg	0.24	0.035	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323	ND	
Diisopropyl ether	ND	mg/kg	0.0059	0.00061	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323	ND	
Ethanol	ND	mg/kg	1.2	0.40	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0012	0.00020	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323	ND	
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.24	0.19	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323	ND	
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323			
Toluene-d8 (Surrogate)	97.0	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323			
4-Bromofluorobenzene (Surrogate)	93.2	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05 15:13	MMS	MS-V2	1.18	BOH0323			



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508203-03	Client Sample Name:	0353, VW-2B/C, VW-2B/C@16.0', 8/17/2005	7:37:00AM, Robert Ponce/Sean Owens	QC	MB	Lab							
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instru-	Dilution	Batch ID	Bias	Quals
Benzene	ND	mg/kg	0.0050	0.00076	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323	ND	
Ethylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00086	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323	ND	
Toluene	ND	mg/kg	0.0050	0.0013	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323	ND	
Total Xylenes	ND	mg/kg	0.010	0.0050	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0010	0.00026	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323	ND	
t-Butyl alcohol	ND	mg/kg	0.20	0.030	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323	ND	
Diisopropyl ether	ND	mg/kg	0.0050	0.00053	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323	ND	
Ethanol	ND	mg/kg	1.0	0.34	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0010	0.00017	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323	ND	
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20	0.16	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323	ND	
1,2-Dichloroethane-d4 (Surrogate)	93.6	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323			
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323			
4-Bromofluorobenzene (Surrogate)	97.2	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	15:39	MMS	MS-V2	1.01	BOH0323			



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508203-04		Client Sample Name:		0353, VW-B/C, VW-2B/C@21.5', 8/17/2005		7:41:00AM, Robert Ponce/Sean Owens					
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instru-	QC	MB	Lab Quals
Benzene	ND	mg/kg	0.0053	0.00080	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323	ND
Ethylbenzene	ND	mg/kg	0.0053	0.0013	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323	ND
Methyl t-butyl ether	ND	mg/kg	0.0053	0.00090	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323	ND
Toluene	ND	mg/kg	0.0053	0.0014	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323	ND
Total Xylenes	ND	mg/kg	0.011	0.0053	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323	ND
t-Amyl Methyl ether	ND	mg/kg	0.0011	0.00028	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323	ND
t-Butyl alcohol	ND	mg/kg	0.21	0.032	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323	ND
Diisopropyl ether	ND	mg/kg	0.0053	0.00055	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323	ND
Ethanol	ND	mg/kg	1.1	0.36	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323	ND
Ethyl t-butyl ether	ND	mg/kg	0.0011	0.00018	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323	ND
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.21	0.17	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323	ND
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323		
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323		
4-Bromofluorobenzene (Surrogate)	92.3	%	74 - 121 (LCL - UCL)	EPA-8260	08/17/05	08/18/05	16:06	MMS	MS-V2	1.06	BOH0323		



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508203-05		Client Sample Name:		0353, VW-2B/C, VW-2B/C@25.5'		8/17/2005		7:45:00AM, Robert Ponce/Sean Owens				
Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Date/Time	Analyst	Instrum-	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0042	0.00063	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	0.84	BOH0323	ND	
Ethylbenzene	ND	mg/kg	0.0042	0.0010	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	0.84	BOH0323	ND	
Methyl t-butyl ether	ND	mg/kg	0.0042	0.00072	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	0.84	BOH0323	ND	
Toluene	ND	mg/kg	0.0042	0.0011	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	0.84	BOH0323	ND	
Total Xylenes	ND	mg/kg	0.0084	0.0042	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	0.84	BOH0323	ND	
t-Amyl Methyl ether	ND	mg/kg	0.00084	0.00022	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	0.84	BOH0323	ND	
t-Butyl alcohol	ND	mg/kg	0.17	0.025	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	0.84	BOH0323	ND	
Diisopropyl ether	ND	mg/kg	0.0042	0.00044	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	0.84	BOH0323	ND	
Ethanol	ND	mg/kg	0.84	0.29	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	0.84	BOH0323	ND	
Ethyl t-butyl ether	ND	mg/kg	0.00084	0.00014	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	0.84	BOH0323	ND	
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.17	0.13	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	0.84	BOH0323	ND	
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121	(LCL - UCL)	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	1	BOH0323		
Toluene-d8 (Surrogate)	98.7	%	81 - 117	(LCL - UCL)	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	1	BOH0323		
4-Bromofluorobenzene (Surrogate)	99.4	%	74 - 121	(LCL - UCL)	EPA-8260	08/17/05	08/18/05	16:32	MMS	MS-V2	1	BOH0323		



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Volatile Organic Analysis (EPA Method 8260)

Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	Instru-	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0045	0.00068	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	0.90	BOH0324	ND	
Ethylbenzene	ND	mg/kg	0.0045	0.0011	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	0.90	BOH0324	ND	
Methyl t-butyl ether	ND	mg/kg	0.0045	0.00077	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	0.90	BOH0324	ND	
Toluene	ND	mg/kg	0.0045	0.0012	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	0.90	BOH0324	ND	
Total Xylenes	ND	mg/kg	0.0090	0.0045	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	0.90	BOH0324	ND	
t-Amyl Methyl ether	ND	mg/kg	0.00090	0.00023	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	0.90	BOH0324	ND	
t-Butyl alcohol	ND	mg/kg	0.18	0.027	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	0.90	BOH0324	ND	
Diisopropyl ether	ND	mg/kg	0.0045	0.00047	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	0.90	BOH0324	ND	
Ethanol	ND	mg/kg	0.90	0.31	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	0.90	BOH0324	ND	
Ethyl t-butyl ether	ND	mg/kg	0.00090	0.00015	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	0.90	BOH0324	ND	
Total Purgeable Petroleum Hydrocarbons	0.20	mg/kg	0.18	0.14	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	0.90	BOH0324	ND	
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	1	BOH0324		
Toluene-d8 (Surrogate)	99.0	%	81 - 117	(LCL - UCL)	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	1	BOH0324		
4-Bromofluorobenzene (Surrogate)	96.7	%	74 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/18/05 16:59	MMS	MS-V2	1	BOH0324		



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508203-07		Client Sample Name:		0353, VW-2B/C, VW-2B/C@36 0'		8/17/2005		7:52:00AM		Robert Ponce/Sean Owens		
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	Instru-	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0046	0.00069	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	0.93	BOH0324	ND		
Ethylbenzene	ND	mg/kg	0.0046	0.0011	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	0.93	BOH0324	ND		
Methyl t-butyl ether	ND	mg/kg	0.0046	0.00079	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	0.93	BOH0324	ND		
Toluene	ND	mg/kg	0.0046	0.0012	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	0.93	BOH0324	ND		
Total Xylenes	ND	mg/kg	0.0093	0.0046	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	0.93	BOH0324	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00093	0.00024	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	0.93	BOH0324	ND		
t-Butyl alcohol	ND	mg/kg	0.19	0.028	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	0.93	BOH0324	ND		
Diisopropyl ether	ND	mg/kg	0.0046	0.00048	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	0.93	BOH0324	ND		
Ethanol	ND	mg/kg	0.93	0.31	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	0.93	BOH0324	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00093	0.00016	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	0.93	BOH0324	ND		
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.19	0.15	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	0.93	BOH0324	ND		
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	1	BOH0324			
Toluene-d8 (Surrogate)	101	%	81 - 117	(LCL - UCL)	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	1	BOH0324			
4-Bromofluorobenzene (Surrogate)	97.5	%	74 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/18/05 17:25	MMS	MS-V2	1	BOH0324			



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21 Technology Drive
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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:35

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508203-08	Client Sample Name:	0353, VW-2B/C, VW-2B/C@41.0'	Run Date:	8/17/2005	7:56:00AM	Analyst:	Robert Ponce/Sean Owens	QC	MB	Lab Quals	
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Date/Time	Instrument ID	Dilution	Batch ID	Bias	J
Benzene	ND	mg/kg	0.0043	0.00064	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	0.86	BOH0324	ND
Ethylbenzene	0.0017	mg/kg	0.0043	0.0010	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	0.86	BOH0324	ND
Methyl t-butyl ether	ND	mg/kg	0.0043	0.00073	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	0.86	BOH0324	ND
Toluene	0.0068	mg/kg	0.0043	0.0011	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	0.86	BOH0324	ND
Total Xylenes	0.0083	mg/kg	0.0086	0.0043	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	0.86	BOH0324	ND
t-Amyl Methyl ether	ND	mg/kg	0.00086	0.00022	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	0.86	BOH0324	ND
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	0.86	BOH0324	ND
Diisopropyl ether	ND	mg/kg	0.0043	0.00045	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	0.86	BOH0324	ND
Ethanol	ND	mg/kg	0.86	0.29	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	0.86	BOH0324	ND
Ethyl t-butyl ether	ND	mg/kg	0.00086	0.00015	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	0.86	BOH0324	ND
Total Purgeable Petroleum Hydrocarbons	0.21	mg/kg	0.17	0.14	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	0.86	BOH0324	ND
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	1	BOH0324	
Toluene-d8 (Surrogate)	98.0	%	81 - 117	(LCL - UCL)	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	1	BOH0324	
4-Bromofluorobenzene (Surrogate)	97.8	%	74 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/18/05 17:52	MMS	MS-V2	1	BOH0324	



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Project: 0353
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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508203-09	Client Sample Name:	0353, VW-2B/C, VW-2B/C@46.0'	8/17/2005	8:00:00AM	Robert Ponce/Sean Owens	QC	MB	Lab	Quals	
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	Dilution	Batch ID	Bias
Benzene	0.014	mg/kg	0.00046	0.00069	EPA-8260	08/18/05	08/18/05 18:19	MMS	MS-V2	0.92	BOH0324
Ethylbenzene	0.24	mg/kg	0.0046	0.0011	EPA-8260	08/18/05	08/18/05 18:19	MMS	MS-V2	0.92	BOH0324
Methyl t-butyl ether	0.00087	mg/kg	0.00046	0.00078	EPA-8260	08/18/05	08/18/05 18:19	MMS	MS-V2	0.92	BOH0324
Toluene	0.92	mg/kg	0.21	0.054	EPA-8260	08/18/05	08/20/05 03:36	MMS	MS-V2	41.40	BOH0324
Total Xylenes	1.3	mg/kg	0.0092	0.0046	EPA-8260	08/18/05	08/18/05 18:19	MMS	MS-V2	0.92	BOH0324
t-Amyl Methyl ether	ND	mg/kg	0.00092	0.00024	EPA-8260	08/18/05	08/18/05 18:19	MMS	MS-V2	0.92	BOH0324
t-Butyl alcohol	ND	mg/kg	0.18	0.028	EPA-8260	08/18/05	08/18/05 18:19	MMS	MS-V2	0.92	BOH0324
Diisopropyl ether	ND	mg/kg	0.0046	0.00048	EPA-8260	08/18/05	08/18/05 18:19	MMS	MS-V2	0.92	BOH0324
Ethanol	ND	mg/kg	0.92	0.31	EPA-8260	08/18/05	08/18/05 18:19	MMS	MS-V2	0.92	BOH0324
Ethyl t-butyl ether	ND	mg/kg	0.00092	0.00016	EPA-8260	08/18/05	08/18/05 18:19	MMS	MS-V2	0.92	BOH0324
Total Purgeable Petroleum Hydrocarbons	17	mg/kg	8.3	6.6	EPA-8260	08/18/05	08/20/05 03:36	MMS	MS-V2	41.40	BOH0324
1,2-Dichloroethane-d4 (Surrogate)	90.2	%	70 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/20/05 03:36	MMS	MS-V2	41.40	BOH0324
1,2-Dichloroethane-d4 (Surrogate)	94.8	%	70 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/18/05 18:19	MMS	MS-V2	1	BOH0324
Toluene-d8 (Surrogate)	101	%	81 - 117	(LCL - UCL)	EPA-8260	08/18/05	08/18/05 18:19	MMS	MS-V2	1	BOH0324
Toluene-d8 (Surrogate)	105	%	81 - 117	(LCL - UCL)	EPA-8260	08/18/05	08/20/05 03:36	MMS	MS-V2	41.40	BOH0324
4-Bromofluorobenzene (Surrogate)	97.1	%	74 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/20/05 03:36	MMS	MS-V2	41.40	BOH0324
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/18/05 18:19	MMS	MS-V2	1	BOH0324



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:35

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508203-10 Client Sample Name: 0353, VW-2B/C, \VW-2B/C@51.0', 8/17/2005 8:04:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	Instru-	QC	MB	Lab	Quals
Benzene	0.0094	mg/kg	0.0045	0.00068	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	0.91	BOH0324	ND	
Ethylbenzene	0.40	mg/kg	0.0045	0.0011	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	0.91	BOH0324	ND	
Methyl t-butyl ether	0.0043	mg/kg	0.0045	0.00077	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	0.91	BOH0324	ND	J
Toluene	0.61	mg/kg	0.0045	0.0012	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	0.91	BOH0324	ND	S01
Total Xylenes	1.8	mg/kg	0.0091	0.0045	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	0.91	BOH0324	ND	S01
t-Amyl Methyl ether	ND	mg/kg	0.00091	0.00024	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	0.91	BOH0324	ND	
t-Butyl alcohol	ND	mg/kg	0.18	0.027	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	0.91	BOH0324	ND	
Diisopropyl ether	ND	mg/kg	0.0045	0.00047	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	0.91	BOH0324	ND	
Ethanol	ND	mg/kg	0.91	0.31	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	0.91	BOH0324	ND	
Ethyl t-butyl ether	ND	mg/kg	0.00091	0.00015	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	0.91	BOH0324	ND	
Total Purgeable Petroleum Hydrocarbons	42	mg/kg	18	14	EPA-8260	08/18/05	08/22/05 17:02	MMS	MS-V2	87.57	BOH0324	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	95.7	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	1	BOH0324			
1,2-Dichloroethane-d4 (Surrogate)	92.0	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/22/05 17:02	MMS	MS-V2	87.57	BOH0324			
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	1	BOH0324			
Toluene-d8 (Surrogate)	99.0	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/22/05 17:02	MMS	MS-V2	87.57	BOH0324			
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05 18:45	MMS	MS-V2	1	BOH0324			
4-Bromofluorobenzene (Surrogate)	90.3	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/22/05 17:02	MMS	MS-V2	87.57	BOH0324			



Laboratories, Inc

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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508203-11	Client Sample Name:	0353, VW-2B/C, \W-2B/C@55.5', 8/17/2005	8:13:00AM, Robert Ponce/Sean Owens	QC	MB	Lab	Quals				
Constituent	Result	Units	PQL	MDL	Method	Date	Run	Instru-	Batch ID	Bias	Quals	
Benzene	ND	mg/kg	0.0050	0.00075	EPA-8260	08/18/05	19:12	MMS	MS-V2	1.00	BOH0324	ND
Ethylbenzene	0.014	mg/kg	0.0050	0.0012	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1.00	BOH0324	ND
Methyl t-butyl ether	0.0015	mg/kg	0.0050	0.00085	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1.00	BOH0324	ND
Toluene	0.019	mg/kg	0.0050	0.0013	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1.00	BOH0324	ND
Total Xylenes	0.087	mg/kg	0.010	0.0050	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1.00	BOH0324	ND
t-Amyl Methyl ether	ND	mg/kg	0.0010	0.00026	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1.00	BOH0324	ND
t-Butyl alcohol	ND	mg/kg	0.20	0.030	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1.00	BOH0324	ND
Diisopropyl ether	ND	mg/kg	0.0050	0.00052	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1.00	BOH0324	ND
Ethanol	ND	mg/kg	1.0	0.34	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1.00	BOH0324	ND
Ethyl t-butyl ether	ND	mg/kg	0.0010	0.00017	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1.00	BOH0324	ND
Total Purgeable Petroleum Hydrocarbons	1.0	mg/kg	0.20	0.16	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1.00	BOH0324	ND
1,2-Dichloroethane-d4 (Surrogate)	90.3	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1	BOH0324		
Toluene-d8 (Surrogate)	99.5	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1	BOH0324		
4-Bromofluorobenzene (Surrogate)	95.3	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05 19:12	MMS	MS-V2	1	BOH0324		



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:35

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508203-12 Client Sample Name: 0353, VW-2B/C, VW-2B/C@61.0', 8/17/2005 8:21:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC Bias	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0052	0.00078	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324	ND		
Ethylbenzene	0.022	mg/kg	0.0052	0.0012	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324	ND		
Methyl t-butyl ether	0.0022	mg/kg	0.0052	0.00088	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324	ND		J
Toluene	0.051	mg/kg	0.0052	0.0014	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324	ND		
Total Xylenes	0.13	mg/kg	0.010	0.0052	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324	ND		
t-Amyl Methyl ether	ND	mg/kg	0.0010	0.00027	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324	ND		
t-Butyl alcohol	ND	mg/kg	0.21	0.031	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324	ND		
Diisopropyl ether	ND	mg/kg	0.0052	0.00054	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324	ND		
Ethanol	ND	mg/kg	1.0	0.35	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324	ND		
Ethyl t-butyl ether	ND	mg/kg	0.0010	0.00018	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324	ND		
Total Purgeable Petroleum Hydrocarbons	0.85	mg/kg	0.21	0.17	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324	ND		
1,2-Dichloroethane-d4 (Surrogate)	99.8	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324				
Toluene-d8 (Surrogate)	95.5	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324				
4-Bromofluorobenzene (Surrogate)	99.1	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05 19:39	MMS	MS-V2	1.04	BOH0324				



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508203-13 Client Sample Name: 0353, VW-2B/C, VW-2B/C@65.5', 8/17/2005 8:29:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	Instru-	QC	MB	Batch ID	Bias	Lab	Quals
Benzene	ND	mg/kg	0.0046	0.00070	EPA-8260	08/18/05	20:06	MMS	MS-V2	0.93	BOH0324		ND		
Ethylbenzene	0.013	mg/kg	0.0046	0.0011	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	0.93	BOH0324		ND		
Methyl t-butyl ether	ND	mg/kg	0.0046	0.00079	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	0.93	BOH0324		ND		
Toluene	0.0069	mg/kg	0.0046	0.0012	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	0.93	BOH0324		ND		
Total Xylenes	0.098	mg/kg	0.0093	0.0046	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	0.93	BOH0324		ND		
t-Amyl Methyl ether	ND	mg/kg	0.00093	0.00024	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	0.93	BOH0324		ND		
t-Butyl alcohol	ND	mg/kg	0.19	0.028	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	0.93	BOH0324		ND		
Diisopropyl ether	ND	mg/kg	0.0046	0.00048	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	0.93	BOH0324		ND		
Ethanol	ND	mg/kg	0.93	0.32	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	0.93	BOH0324		ND		
Ethyl t-butyl ether	ND	mg/kg	0.00093	0.00016	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	0.93	BOH0324		ND		
Total Purgeable Petroleum Hydrocarbons	1.6	mg/kg	0.19	0.15	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	0.93	BOH0324		ND		
1,2-Dichloroethane-d4 (Surrogate)	99.7	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	1	BOH0324					
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	1	BOH0324					
4-Bromofluorobenzene (Surrogate)	90.5	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05 20:06	MMS	MS-V2	1	BOH0324					



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508203-14

Client Sample Name: 0353, VW-2B/C, VW-2B/C@70.5', 8/17/2005 8:36:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep	Run	Date/Time	Analyst	Instrum-	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0060	0.00090	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324	ND			
Ethylbenzene	0.0022	mg/kg	0.0060	0.0014	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324	ND		J	
Methyl t-butyl ether	0.0013	mg/kg	0.0060	0.0010	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324	ND		J	
Toluene	0.0044	mg/kg	0.0060	0.0016	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324	ND		J	
Total Xylenes	0.014	mg/kg	0.012	0.0060	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324	ND			
t-Amyl Methyl ether	ND	mg/kg	0.0012	0.00031	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324	ND			
t-Butyl alcohol	ND	mg/kg	0.24	0.036	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324	ND			
Diisopropyl ether	ND	mg/kg	0.0060	0.00062	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324	ND			
Ethanol	ND	mg/kg	1.2	0.41	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324	ND			
Ethyl t-butyl ether	ND	mg/kg	0.0012	0.00020	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324	ND			
Total Purgeable Petroleum Hydrocarbons	0.34	mg/kg	0.24	0.19	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324	ND			
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324					
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324					
4-Bromofluorobenzene (Surrogate)	98.8	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05	20:32	MMS	MS-V2	1.20	BOH0324					



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508203-15	Client Sample Name:	0353, VN-2B/C, VN-2B/C@76.5'	Prep	Run	Date/Time	Analyst	Instru-	QC	MB	Lab
Constituent	Result	Units	PQL	MDL	Method	Date	ment ID	Dilution	Batch ID	Bias	Quals
Benzene	ND	mg/kg	0.0043	0.00064	EPA-8260	08/18/05	20:59	MMS	MS-V2	0.86	BOH0324
Ethylbenzene	0.0030	mg/kg	0.0043	0.0010	EPA-8260	08/18/05	20:59	MMS	MS-V2	0.86	BOH0324
Methyl t-butyl ether	0.091	mg/kg	0.0043	0.00073	EPA-8260	08/18/05	20:59	MMS	MS-V2	0.86	BOH0324
Toluene	0.0062	mg/kg	0.0043	0.0011	EPA-8260	08/18/05	20:59	MMS	MS-V2	0.86	BOH0324
Total Xylenes	0.016	mg/kg	0.0086	0.0043	EPA-8260	08/18/05	20:59	MMS	MS-V2	0.86	BOH0324
t-Amyl Methyl ether	ND	mg/kg	0.00086	0.00022	EPA-8260	08/18/05	20:59	MMS	MS-V2	0.86	BOH0324
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/18/05	20:59	MMS	MS-V2	0.86	BOH0324
Diisopropyl ether	ND	mg/kg	0.0043	0.00045	EPA-8260	08/18/05	20:59	MMS	MS-V2	0.86	BOH0324
Ethanol	ND	mg/kg	0.86	0.29	EPA-8260	08/18/05	20:59	MMS	MS-V2	0.86	BOH0324
Ethyl t-butyl ether	ND	mg/kg	0.00086	0.00015	EPA-8260	08/18/05	20:59	MMS	MS-V2	0.86	BOH0324
Total Purgeable Petroleum Hydrocarbons	0.30	mg/kg	0.17	0.14	EPA-8260	08/18/05	20:59	MMS	MS-V2	0.86	BOH0324
1,2-Dichloroethane-d4 (Surrogate)	96.6	%	70 - 121	(LCL - UCL)	EPA-8260	08/18/05	20:59	MMS	MS-V2	1	BOH0324
Toluene-d8 (Surrogate)	91.2	%	81 - 117	(LCL - UCL)	EPA-8260	08/18/05	20:59	MMS	MS-V2	1	BOH0324
4-Bromofluorobenzen (Surrogate)	86.5	%	74 - 121	(LCL - UCL)	EPA-8260	08/18/05	20:59	MMS	MS-V2	1	BOH0324

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Project: 0353
 Project Number: [none]
 Project Manager: John Nordenstam

Reported: 08/24/05 08:35

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508203-16 **Client Sample Name:** 0353, VW-2B/C, VW-2B/C@81.0', 8/17/2005 8:59:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Date/Time	Analyst	Instru-	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0052	0.00077	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324	ND	
Ethylbenzene	ND	mg/kg	0.0052	0.0012	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324	ND	
Methyl t-butyl ether	0.036	mg/kg	0.0052	0.00088	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324	ND	
Toluene	0.0016	mg/kg	0.0052	0.0013	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324	ND	J
Total Xylenes	0.0061	mg/kg	0.010	0.0052	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324	ND	J
t-Amyl Methyl ether	ND	mg/kg	0.0010	0.00027	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324	ND	
t-Butyl alcohol	ND	mg/kg	0.21	0.031	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324	ND	
Diisopropyl ether	ND	mg/kg	0.0052	0.00054	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324	ND	
Ethanol	ND	mg/kg	1.0	0.35	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0010	0.00018	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324	ND	
Total Purgeable Petroleum Hydrocarbons	0.29	mg/kg	0.21	0.16	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324	ND	
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324			
Toluene-d8 (Surrogate)	98.1	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324			
4-Bromofluorobenzene (Surrogate)	99.0	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05	21:25	MMS	MS-V2	1.03	BOH0324			



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508203-17 Client Sample Name: 0353, V/N-2B/C, V/N-2B/C@86.0, 8/17/2005 9:06:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab Bias	Quals
Benzene	ND	mg/kg	0.0037	0.00056	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	0.75	BOH0324	ND			
Ethylbenzene	0.0012	mg/kg	0.0037	0.00090	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	0.75	BOH0324	ND		J	A01
Methyl t-butyl ether	0.39	mg/kg	0.19	0.033	EPA-8260	08/18/05	08/20/05	04:29	MMS	MS-V2	38.80	BOH0324	ND			
Toluene	0.0029	mg/kg	0.0037	0.00097	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	0.75	BOH0324	ND		J	
Total Xylenes	0.0065	mg/kg	0.0075	0.0037	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	0.75	BOH0324	ND		J	
t-Amyl Methyl ether	ND	mg/kg	0.00075	0.00019	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	0.75	BOH0324	ND			
t-Butyl alcohol	ND	mg/kg	0.15	0.022	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	0.75	BOH0324	ND			
Diisopropyl ether	ND	mg/kg	0.0037	0.00039	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	0.75	BOH0324	ND			
Ethanol	ND	mg/kg	0.75	0.25	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	0.75	BOH0324	ND			
Ethyl t-butyl ether	ND	mg/kg	0.00075	0.00013	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	0.75	BOH0324	ND			
Total Purgeable Petroleum Hydrocarbons	0.48	mg/kg	0.15	0.12	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	0.75	BOH0324	ND		A53	
1,2-Dichloroethane-d4 (Surrogate)	82.7	%	70 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/20/05	04:29	MMS	MS-V2	38.80	BOH0324				
1,2-Dichloroethane-d4 (Surrogate)	99.6	%	70 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	1	BOH0324				
Toluene-d8 (Surrogate)	95.5	%	81 - 117	(LCL - UCL)	EPA-8260	08/18/05	08/20/05	04:29	MMS	MS-V2	38.80	BOH0324				
Toluene-d8 (Surrogate)	97.5	%	81 - 117	(LCL - UCL)	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	1	BOH0324				
4-Bromofluorobenzene (Surrogate)	98.6	%	74 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/18/05	21:52	MMS	MS-V2	1	BOH0324				
4-Bromofluorobenzene (Surrogate)	97.7	%	74 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/20/05	04:29	MMS	MS-V2	38.80	BOH0324				



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/24/05 08:35

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 05082003-18 Client Sample Name: 0353, VNW-2B/C, \VW-2B/C@91.0', 8/17/2005 9:14:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrum-	QC	MB	Lab	Quais
Benzene	ND	mg/kg	0.0043	0.00064	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	0.85	BOH0324	ND	
Ethylbenzene	0.0034	mg/kg	0.0043	0.0010	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	0.85	BOH0324	ND	J
Methyl t-butyl ether	0.42	mg/kg	0.0043	0.00073	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	0.85	BOH0324	ND	
Toluene	0.0077	mg/kg	0.0043	0.0011	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	0.85	BOH0324	ND	
Total Xylenes	0.020	mg/kg	0.0085	0.0043	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	0.85	BOH0324	ND	
t-Amyl Methyl ether	ND	mg/kg	0.00085	0.00022	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	0.85	BOH0324	ND	
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	0.85	BOH0324	ND	
Diisopropyl ether	ND	mg/kg	0.0043	0.00044	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	0.85	BOH0324	ND	
Ethanol	ND	mg/kg	0.85	0.29	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	0.85	BOH0324	ND	
Ethyl t-butyl ether	ND	mg/kg	0.00085	0.00015	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	0.85	BOH0324	ND	
Total Purgeable Petroleum Hydrocarbons	0.63	mg/kg	0.17	0.14	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	0.85	BOH0324	ND	A53
1,2-Dichloroethane-d4 (Surrogate)	95.4	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	1	BOH0324			
Toluene-d8 (Surrogate)	99.1	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	1	BOH0324			
4-Bromofluorobenzene (Surrogate)	95.1	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/18/05	22:19	MMS	MS-V2	1	BOH0324			



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Result	Spike Added	Units	RPD	Control Limits	
									Percent Recovery	Percent Recovery Lab Quals
Benzene	BOH0323	BOH0323-MS1	Matrix Spike	ND	0.12045	0.12500	mg/kg	96.4	70 - 130	
		BOH0323-MSD1	Matrix Spike Duplicate	ND	0.12179	0.12500	mg/kg	1.03	97.4	20
Toluene	BOH0323	BOH0323-MS1	Matrix Spike	ND	0.12498	0.12500	mg/kg	100	70 - 130	
		BOH0323-MSD1	Matrix Spike Duplicate	ND	0.11485	0.12500	mg/kg	8.44	91.9	20
1,2-Dichloroethane-d4 (Surrogate)	BOH0323	BOH0323-MS1	Matrix Spike	ND	0.049440	0.050000	mg/kg	98.9	70 - 121	
		BOH0323-MSD1	Matrix Spike Duplicate	ND	0.048740	0.050000	mg/kg	97.5	70 - 121	
Toluene-d8 (Surrogate)	BOH0323	BOH0323-MS1	Matrix Spike	ND	0.050080	0.050000	mg/kg	100	81 - 117	
		BOH0323-MSD1	Matrix Spike Duplicate	ND	0.046100	0.050000	mg/kg	92.2	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH0323	BOH0323-MS1	Matrix Spike	ND	0.049190	0.050000	mg/kg	98.4	74 - 121	
		BOH0323-MSD1	Matrix Spike Duplicate	ND	0.047190	0.050000	mg/kg	94.4	74 - 121	
Benzene	BOH0324	BOH0324-MS1	Matrix Spike	ND	0.11452	0.12500	mg/kg	91.6	70 - 130	
		BOH0324-MSD1	Matrix Spike Duplicate	ND	0.12018	0.12500	mg/kg	4.79	96.1	20
Toluene	BOH0324	BOH0324-MS1	Matrix Spike	ND	0.12134	0.12500	mg/kg	97.1	70 - 130	
		BOH0324-MSD1	Matrix Spike Duplicate	ND	0.12204	0.12500	mg/kg	0.514	97.6	20
1,2-Dichloroethane-d4 (Surrogate)	BOH0324	BOH0324-MS1	Matrix Spike	ND	0.044880	0.050000	mg/kg	89.8	70 - 121	
		BOH0324-MSD1	Matrix Spike Duplicate	ND	0.047880	0.050000	mg/kg	95.8	70 - 121	
Toluene-d8 (Surrogate)	BOH0324	BOH0324-MS1	Matrix Spike	ND	0.046440	0.050000	mg/kg	92.9	81 - 117	
		BOH0324-MSD1	Matrix Spike Duplicate	ND	0.050010	0.050000	mg/kg	100	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH0324	BOH0324-MS1	Matrix Spike	ND	0.049040	0.050000	mg/kg	98.1	74 - 121	
		BOH0324-MSD1	Matrix Spike Duplicate	ND	0.051930	0.050000	mg/kg	104	74 - 121	



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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Control Limits		
								Percent Recovery	Percent Recovery	RPD
Benzene	BOH0323	BOH0323-BS1	LCS	0.12193	0.12500	0.0050	mg/kg	97.5	70 - 130	
Toluene	BOH0323	BOH0323-BS1	LCS	0.11872	0.12500	0.0050	mg/kg	95.0	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOH0323	BOH0323-BS1	LCS	0.048040	0.050000		mg/kg	96.1	70 - 121	
Toluene-d8 (Surrogate)	BOH0323	BOH0323-BS1	LCS	0.049250	0.050000		mg/kg	98.5	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH0323	BOH0323-BS1	LCS	0.050760	0.050000		mg/kg	102	74 - 121	
Benzene	BOH0324	BOH0324-BS1	LCS	0.12236	0.12500	0.0050	mg/kg	97.9	70 - 130	
Toluene	BOH0324	BOH0324-BS1	LCS	0.11934	0.12500	0.0050	mg/kg	95.5	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOH0324	BOH0324-BS1	LCS	0.046330	0.050000		mg/kg	92.7	70 - 121	
Toluene-d8 (Surrogate)	BOH0324	BOH0324-BS1	LCS	0.049110	0.050000		mg/kg	98.2	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH0324	BOH0324-BS1	LCS	0.053180	0.050000		mg/kg	106	74 - 121	



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Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0050	0.00075	
Ethylbenzene	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0050	0.0012	
Methyl t-butyl ether	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0050	0.00085	
Toluene	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0050	0.0013	
Total Xylenes	BOH0323	BOH0323-BLK1	ND	mg/kg	0.010	0.0050	
t-Amyl Methyl ether	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0010	0.00026	
t-Butyl alcohol	BOH0323	BOH0323-BLK1	ND	mg/kg	0.20	0.030	
Diisopropyl ether	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0050	0.00052	
Ethanol	BOH0323	BOH0323-BLK1	ND	mg/kg	1.0	0.34	
Ethyl t-butyl ether	BOH0323	BOH0323-BLK1	ND	mg/kg	0.0010	0.00017	
Total Purgeable Petroleum Hydrocarbons	BOH0323	BOH0323-BLK1	ND	mg/kg	0.20	0.16	
1,2-Dichloropropane-d4 (Surrogate)	BOH0323	BOH0323-BLK1	106	%	70 - 121	(LCL - UCL)	
Toluene-d8 (Surrogate)	BOH0323	BOH0323-BLK1	98.3	%	81 - 117	(LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BOH0323	BOH0323-BLK1	90.3	%	74 - 121	(LCL - UCL)	
Benzene	BOH0324	BOH0324-BLK1	ND	mg/kg	0.0050	0.00075	
Ethylbenzene	BOH0324	BOH0324-BLK1	ND	mg/kg	0.0050	0.0012	
Methyl t-butyl ether	BOH0324	BOH0324-BLK1	ND	mg/kg	0.0050	0.00085	
Toluene	BOH0324	BOH0324-BLK1	ND	mg/kg	0.0050	0.0013	
Total Xylenes	BOH0324	BOH0324-BLK1	ND	mg/kg	0.010	0.0050	
t-Amyl Methyl ether	BOH0324	BOH0324-BLK1	ND	mg/kg	0.0010	0.00026	
t-Butyl alcohol	BOH0324	BOH0324-BLK1	ND	mg/kg	0.20	0.030	
Diisopropyl ether	BOH0324	BOH0324-BLK1	ND	mg/kg	0.0050	0.00052	
Ethanol	BOH0324	BOH0324-BLK1	ND	mg/kg	1.0	0.34	
Ethyl t-butyl ether	BOH0324	BOH0324-BLK1	ND	mg/kg	0.0010	0.00017	
Total Purgeable Petroleum Hydrocarbons	BOH0324	BOH0324-BLK1	ND	mg/kg	0.20	0.16	



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Project: 0353
Project Number: [none]
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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	BOH0324	BOH0324-BLK1	97.1	%	70 - 121	(LCL - UCL)	
Toluene-d8 (Surrogate)	BOH0324	BOH0324-BLK1	98.5	%	81 - 117	(LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BOH0324	BOH0324-BLK1	95.0	%	74 - 121	(LCL - UCL)	



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

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Notes and Definitions

S01 Sample result is not within the quantitation range of the method.

J Estimated value

A53 Chromatogram not typical of gasoline.

A01 PQL's and MDL's are raised due to sample dilution.

ND Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



Date of Report: 08/29/2005

John Nordenstam
TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302
RE: 0353
BC Lab Number: 0508279

Enclosed are the results of analyses for samples received by the laboratory on 08/18/05 19:40. If you have any questions concerning this report, please feel free to contact me.

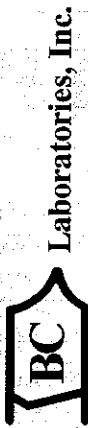
Sincerely,

A handwritten signature in black ink, appearing to read "Steven Bennett".

Contact Person: Vanessa Surratt
Client Service Rep

A handwritten signature in black ink, appearing to read "Steven Bennett".

Authorized Signature



Chain of Custody Form

PLEASE COMPLETE
ACROSS THE LINE

Report To:

Client: TRC

Analysis Requested

Project #: 20094806
Project Name: Former 7-Eleven
0353

Attn: John Norstrom

Project Code:

Street Address: 21 Technology Dr.
City, State, Zip: Drivine, IA 50618
Phone: 949-753-0111 Fax: 949-753-0111
Email Address:

Comments:
Fuel Oxy's = MTBE, TAME, DIPE,
ETBE, TBA, Ethanol

Sample #:

OS - 9279

Date Sampled

Time Sampled

Description

Sample Matrix

Soil

Sludge

Ground Water

Drinking Water

Other

Turnaround

of work days*

Turnaround = 15 work days

Are there any tests with holding times less than
or equal to 48 hours?

Yes No

Notes

Fuel Oxy's (82668)
DTEK (82668)
HDL (82668)

Sample #	Description	Date Sampled	Time Sampled	Report Drinking Waters on State Form?	Sample Disposal
-1	MW-1A D 6.0'	8/18/05	0733	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive: Months
-2	MW-1A D 11.5'	8/18/05	0738	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data
-3	MW-1A D 16.0'	8/18/05	0742	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data
-4	MW-1A D 21.0'	8/18/05	0745	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data
-5	MW-1A D 26.5'	8/18/05	0753	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data
-6	MW-1A D 30.5'	8/18/05	0800	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data
-7	MW-1A D 40.5'	8/18/05	0815	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data
-8	MW-1A D 45.5'	8/18/05	0820	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data
-9	MW-1A D 51.0'	8/18/05	0828	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data
-10	MW-1A D 56.5'	8/18/05	0838	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data
-11	MW-1A D 60.5'	8/18/05	0849	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data
-12	MW-1A D 64.0'	8/18/05	0855	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data
-13	MW-1A D 70.5'	9/18/05	0904	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data
-14	MW-1A D 76.0'	8/18/05	0914	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data

Billing

Same as above

Report Drinking

Waters on State Form?

Yes No

Sample Disposal

Return to Client Disposal by lab Archive: Months

Client: Cando Phillips Company

Address: 3611 S. Harbor Blvd. STE 200

City: Santa Ana State: CA Zip: 92704

Attn: Shawn Lohman

PO#: 4711 TREC 055

1. Relinquished By Shawn Lohman

2. Relinquished By Shawn Lohman

3. Relinquished By Shawn Lohman

Date: 8/18/05 Time: 1345



Chain of Custody Form

PLEASE COMPLETE:
BCI QUOTE ID:

27431

Report To: TNC Client: Project #: 20044806

Attn: John Noyensham Project Name: Former 7th Street
 Street Address: 21 Technology Dr. Project Code: 0353
 City, State, Zip: Troutville, VA 24175 Sampler(s): Sign On
 Phone: (434) 753-0101 Fax: (434) 753-0111 Robert Linn
 Email Address:

Submittal #: 05- 8279

Sample # Description Date Sampled Time Sampled

-15	MW-1A Q 81.0'	8/18/05	0926
-16	MW-1A Q 86.0'	8/18/05	0934
-17	MW-1A Q 91.5'	8/18/05	0950
-18	MW-1A Q 96.0'	8/18/05	1000
-19	MW-1A Q 101.0'	8/18/05	1010
-20	MW-1A Q 106.5'	8/18/05	1025
-21	MW-1A Q 111.5'	8/18/05	1036
-22	MW-1A Q 116.0'	8/18/05	1045
	MW-1A Q	8/19/05	

Analysis Requested

Fuel Oxy's = MTBE, TAME, DIPE,
 ETBE, TBA, Ethane |

Comments: TPH-6 (82600)
 Fuel Oxy's (82828)
 (82600)

* Are there any tests with holding times less than

Yes

No

or equal to 48 hours?

* Standard Turnaround = 15 work days

Notes

Sample Matrix	# of work days	Turnaround
Soil		
Sludge		
Ground Water		
Drinking Water		
Waste Water		
Other		

Report Drinking Waters on State Form?	Sample Disposal	Special Reporting
<input type="checkbox"/> Yes	<input type="checkbox"/> Return to Client	<input type="checkbox"/> QC
<input type="checkbox"/> No	<input type="checkbox"/> Disposal by lab	<input type="checkbox"/> WIP
	<input type="checkbox"/> Relinquished By	<input type="checkbox"/> Raw Data
	<u>Seth D.</u>	<u>8/18/05</u>
	<input type="checkbox"/> Received By	<input type="checkbox"/> Date
	<u>Linn</u>	<u>8/18/05</u>
	<input type="checkbox"/> Relinquished By	<input type="checkbox"/> Time
	<u>Linn</u>	<u>1345</u>
	<input type="checkbox"/> Received By	<input type="checkbox"/> Date
	<u>Linn</u>	<u>8/18/05</u>
	<input type="checkbox"/> Relinquished By	<input type="checkbox"/> Time
	<u>Linn</u>	<u>1340</u>
	<input type="checkbox"/> Received By	<input type="checkbox"/> Date
	<u>Linn</u>	<u>8/18/05</u>
	<input type="checkbox"/> Relinquished By	<input type="checkbox"/> Time
	<u>Linn</u>	<u>1340</u>

Billing

Client: <u>Cinco Phillips Company</u>	Same as above <input type="checkbox"/>	Report Drinking Waters on State Form? <input type="checkbox"/> Yes <input type="checkbox"/> No	Sample Disposal <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab	Archive: <input type="checkbox"/> Months <input type="checkbox"/> 1. Received By <input type="checkbox"/> 2. Received By <input type="checkbox"/> 3. Received By
Address: <u>3611 S. Harbor Blvd. STE 200</u>			<u>Seth D.</u>	<u>8/18/05</u> <u>1345</u>
City: <u>Santa Ana</u> State: <u>CA</u> Zip: <u>92704</u>		Send Copy to State of CA? <input type="checkbox"/> Yes <input type="checkbox"/> No	<u>Linn</u>	<u>8/18/05</u> <u>1340</u>
Attn: <u>Shari Linn</u>			<u>Linn</u>	<u>8/18/05</u> <u>1340</u>

Submission #: 05-829

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest Box None
 Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments:Custody Seals: Ice Chest
Intact? Yes No Containers
Intact? Yes No None Comments:All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No COC Received
 YES NOIce Chest ID: R/W
Temperature: 6.0 °C
Thermometer ID: 74171Emissivity
Container: EncoreDate/Time: 8/18/05 1940
Analyst Init: ARB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL / GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	1	1	1	1	1	1	1	1	1	1
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE.	A	A	A	A	A	A	A	A	A	A

Comments:

Sample Numbering Completed By:

ARB

Date/Time: 8/18/05 2040

Submission #: OS-8279

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest None
 Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals: Ice Chest Containers None Comments:
 Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received
 YES NO

Ice Chest ID R/W
 Temperature: 6.0 °C
 Thermometer ID: +M71

Emissivity
 Container ENCORE

Date/Time 8/19/04 1946
 Analyst Init ARJ

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL / GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE	A	A	A	A	P	A	A	A	P	A

Comments: _____

Sample Numbering Completed By: ARJ

Date/Time: 8/19/04 2040

BC LABORATORIES INC.

SAMPLE RECEIPT FORM

Rev. No. 10

01/21/04

Page 3 Of 3

Submission #: 05-8279

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest None
 Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments:

Custody Seals: Ice Chest
 Intact? Yes No

Containers None Comments:
 Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received
 YES NO

Ice Chest ID R/W
 Temperature: 6.0 °C
 Thermometer ID: 71171

Emissivity
 Container Encore

Date/Time 8/18/04 1940
 Analyst Init Krb

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
ZoZ. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	()	()	()	()	()
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE	A	A								

Comments:

Sample Numbering Completed By:

JFM

Date/Time: 8/18/04 2040



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/29/05 13:59

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information	
0508279-01	COC Number: --- Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@6.0' Sampled By: Robert Ponce/Sean Owens of TRC]	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 07:33 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:
0508279-02	COC Number: --- Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@11.5' Sampled By: Robert Ponce/Sean Owens of TRC]	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 07:38 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:
0508279-03	COC Number: --- Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@16.0' Sampled By: Robert Ponce/Sean Owens of TRC]	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 07:42 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:
0508279-04	COC Number: --- Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@21.0' Sampled By: Robert Ponce/Sean Owens of TRC]	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 07:45 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:
0508279-05	COC Number: --- Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@26.5' Sampled By: Robert Ponce/Sean Owens of TRC]	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 07:53 Sample Depth: --- Sample Matrix: Solids Sample QC Type (SACode): CS Cooler ID:



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/29/05 13:59

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
0508279-06	COC Number: 0353 Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@30.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 08:00 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:
0508279-07	COC Number: 0353 Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@40.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 08:15 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:
0508279-08	COC Number: 0353 Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@45.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 08:20 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:
0508279-09	COC Number: 0353 Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@51.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 08:28 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:
0508279-10	COC Number: 0353 Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@56.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 08:38 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/29/05 13:59

Laboratory / Client Sample Cross Reference

Laboratory Client Sample Information

0508279-11	COC Number:	---	Receive Date:	08/18/05 19:40	Delivery Work Order (LabW: Global ID: ---)
	Project Number:	0353	Sampling Date:	08/18/05 08:49	Matrix: SO
	Sampling Location:	MVN-1A	Sample Depth:	---	Sample QC Type (SACode): CS
	Sampling Point:	MVN-1A@60.5'	Sample Matrix:	Solids	Cooler ID: ---
	Sampled By:	Robert Ponce/Sean Owens of TRCI			
0508279-12	COC Number:	---	Receive Date:	08/18/05 19:40	Delivery Work Order (LabW: Global ID: ---)
	Project Number:	0353	Sampling Date:	08/18/05 08:55	Matrix: SO
	Sampling Location:	MVN-1A	Sample Depth:	---	Sample QC Type (SACode): CS
	Sampling Point:	MVN-1A@66.0'	Sample Matrix:	Solids	Cooler ID: ---
	Sampled By:	Robert Ponce/Sean Owens of TRCI			
0508279-13	COC Number:	---	Receive Date:	08/18/05 19:40	Delivery Work Order (LabW: Global ID: ---)
	Project Number:	0353	Sampling Date:	08/18/05 09:04	Matrix: SO
	Sampling Location:	MVN-1A	Sample Depth:	---	Sample QC Type (SACode): CS
	Sampling Point:	MVN-1A@70.5'	Sample Matrix:	Solids	Cooler ID: ---
	Sampled By:	Robert Ponce/Sean Owens of TRCI			
0508279-14	COC Number:	---	Receive Date:	08/18/05 19:40	Delivery Work Order (LabW: Global ID: ---)
	Project Number:	0353	Sampling Date:	08/18/05 09:14	Matrix: SO
	Sampling Location:	MVN-1A	Sample Depth:	---	Sample QC Type (SACode): CS
	Sampling Point:	MVN-1A@76.0'	Sample Matrix:	Solids	Cooler ID: ---
	Sampled By:	Robert Ponce/Sean Owens of TRCI			
0508279-15	COC Number:	---	Receive Date:	08/18/05 19:40	Delivery Work Order (LabW: Global ID: ---)
	Project Number:	0353	Sampling Date:	08/18/05 09:26	Matrix: SO
	Sampling Location:	MVN-1A	Sample Depth:	---	Sample QC Type (SACode): CS
	Sampling Point:	MVN-1A@81.0'	Sample Matrix:	Solids	Cooler ID: ---
	Sampled By:	Robert Ponce/Sean Owens of TRCI			



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam
Reported: 08/29/05 13:59

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0508279-16	COC Number: --- Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@86.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 09:34 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:		
0508279-17	COC Number: --- Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@91.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 09:50 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:		
0508279-18	COC Number: --- Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@96.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 10:00 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:		
0508279-19	COC Number: --- Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@101.0' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 10:10 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:		
0508279-20	COC Number: --- Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@106.5' Sampled By: Robert Ponce/Sean Owens of TRCI	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 10:25 Sample Depth: --- Sample Matrix: Solids	Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:		

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam
Reported: 08/29/05 13:59

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information	
0508279-21	COC Number: --- Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@111.5' Sampled By: Robert Ponce/Sean Owens of TRC]	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 10:36 Sample Depth: --- Sample Matrix: Solids Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:
0508279-22	COC Number: --- Project Number: 0353 Sampling Location: MW-1A Sampling Point: MW-1A@116.0' Sampled By: Robert Ponce/Sean Owens of TRC]	Receive Date: 08/18/05 19:40 Sampling Date: 08/18/05 10:45 Sample Depth: --- Sample Matrix: Solids Delivery Work Order (LabW: Global ID: Matrix: SO Same QC Type (SACode): CS Cooler ID:



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/29/05 13:59

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508279-01	Client Sample Name:	0353, MW-1A, MVV-1A@6.0'	Prep	Run	Date/Time	Analyst	Instru-	QC	MB	Lab
Constituent	Result	Units	PQL	MDL	Method	Date	ment ID	Dilution	Batch ID	Bias	Quals
Benzene	ND	mg/kg	0.0056	0.00085	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
Ethylbenzene	ND	mg/kg	0.0056	0.0014	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
Methyl t-butyl ether	ND	mg/kg	0.0056	0.00096	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
Toluene	ND	mg/kg	0.0056	0.0015	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
Total Xylenes	ND	mg/kg	0.011	0.0056	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
t-Amyl Methyl ether	ND	mg/kg	0.0011	0.00029	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
t-Butyl alcohol	ND	mg/kg	0.23	0.034	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
Diisopropyl ether	ND	mg/kg	0.0056	0.00059	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
Ethanol	ND	mg/kg	1.1	0.38	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
Ethyl t-butyl ether	ND	mg/kg	0.0011	0.00019	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
Total Purgeable Petroleum Hydrocarbons	0.30	mg/kg	0.23	0.18	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
Toluene-d8 (Surrogate)	102	%	81 - 117	(LCL - UCL)	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175
4-Bromofluorobenzene (Surrogate)	97.7	%	74 - 121	(LCL - UCL)	EPA-8260	08/18/05	08/19/05 13:20	CAR	MS-V3	1.13	BOH1175



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508279-02 Client Sample Name: 0353, MW-1A, MW-1A@11.5', 8/18/2005 7:38:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab Quals
Benzene	ND	mg/kg	0.0044	0.00067	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	0.89	BOH1175	ND		
Ethylbenzene	ND	mg/kg	0.0044	0.0011	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	0.89	BOH1175	ND		
Methyl t-butyl ether	ND	mg/kg	0.0044	0.00076	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	0.89	BOH1175	ND		
Toluene	ND	mg/kg	0.0044	0.0012	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	0.89	BOH1175	ND		
Total Xylenes	ND	mg/kg	0.0089	0.0044	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	0.89	BOH1175	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00089	0.00023	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	0.89	BOH1175	ND		
t-Butyl alcohol	ND	mg/kg	0.18	0.027	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	0.89	BOH1175	ND		
Diisopropyl ether	ND	mg/kg	0.0044	0.00046	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	0.89	BOH1175	ND		
Ethanol	ND	mg/kg	0.89	0.30	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	0.89	BOH1175	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00089	0.00015	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	0.89	BOH1175	ND		
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.18	0.14	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	0.89	BOH1175	ND		
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	1	BOH1175				
Toluene-d8 (Surrogate)	97.7	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	1	BOH1175				
4-Bromofluorobenzene (Surrogate)	96.9	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 13:46	CAR	MS-V3	1	BOH1175				

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508279-03	Client Sample Name:	0353, MW-1A, MW-1A@16.0', 8/18/2005	7:42:00AM, Robert Ponce/Sean Owens										
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab Quals
Benzene	0.0010	mg/kg	0.00068	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	0.91	BOH1175	ND	J		
Ethylbenzene	ND	mg/kg	0.0046	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	0.91	BOH1175	ND			
Methyl t-butyl ether	ND	mg/kg	0.0046	0.00077	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	0.91	BOH1175	ND		
Toluene	ND	mg/kg	0.0046	0.0012	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	0.91	BOH1175	ND		
Total Xylenes	ND	mg/kg	0.0091	0.0046	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	0.91	BOH1175	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00091	0.00024	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	0.91	BOH1175	ND		
t-Butyl alcohol	ND	mg/kg	0.18	0.027	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	0.91	BOH1175	ND		
Diisopropyl ether	ND	mg/kg	0.0046	0.00047	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	0.91	BOH1175	ND		
Ethanol	ND	mg/kg	0.91	0.31	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	0.91	BOH1175	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00091	0.00015	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	0.91	BOH1175	ND		
Total Purgeable Petroleum Hydrocarbons	0.25	mg/kg	0.18	0.15	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	0.91	BOH1175	ND		
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	1	BOH1175				
Toluene-d8 (Surrogate)	97.0	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	1	BOH1175				
4-Bromofluorobenzene (Surrogate)	95.9	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 14:12	CAR	MS-V3	1	BOH1175				



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508279-04 Client Sample Name: 0353, MW-1A, MW-1A@21.0', 8/18/2005 7:45:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Run Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0048	0.00072	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	0.96	BOH1175	ND		
Ethylbenzene	ND	mg/kg	0.0048	0.0012	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	0.96	BOH1175	ND		
Methyl t-butyl ether	ND	mg/kg	0.0048	0.00082	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	0.96	BOH1175	ND		
Toluene	ND	mg/kg	0.0048	0.0012	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	0.96	BOH1175	ND		
Total Xylenes	ND	mg/kg	0.0096	0.0048	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	0.96	BOH1175	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00096	0.00025	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	0.96	BOH1175	ND		
t-Butyl alcohol	ND	mg/kg	0.19	0.029	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	0.96	BOH1175	ND		
Diisopropyl ether	ND	mg/kg	0.0048	0.00050	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	0.96	BOH1175	ND		
Ethanol	ND	mg/kg	0.96	0.33	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	0.96	BOH1175	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00096	0.00016	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	0.96	BOH1175	ND		
Total Purgeable Petroleum Hydrocarbons	0.24	mg/kg	0.19	0.15	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	0.96	BOH1175	ND		
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	1	BOH1175				
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	1	BOH1175				
4-Bromofluorobenzene (Surrogate)	98.4	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 14:39	CAR	MS-V3	1	BOH1175				



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508279-05 Client Sample Name: 0353, MW-1A, MW-1A@26.5', 8/18/2005 7:53:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab	Quais
Benzene	ND	mg/kg	0.0040	0.00061	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	0.81	BOH1175	ND			
Ethylbenzene	ND	mg/kg	0.0040	0.00097	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	0.81	BOH1175	ND			
Methyl t-butyl ether	ND	mg/kg	0.0040	0.00069	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	0.81	BOH1175	ND			
Toluene	ND	mg/kg	0.0040	0.0011	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	0.81	BOH1175	ND			
Total Xylenes	ND	mg/kg	0.0081	0.0040	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	0.81	BOH1175	ND			
t-Amyl Methyl ether	ND	mg/kg	0.00081	0.00021	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	0.81	BOH1175	ND			
t-Butyl alcohol	ND	mg/kg	0.16	0.024	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	0.81	BOH1175	ND			
Diisopropyl ether	ND	mg/kg	0.0040	0.00042	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	0.81	BOH1175	ND			
Ethanol	ND	mg/kg	0.81	0.28	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	0.81	BOH1175	ND			
Ethyl t-butyl ether	ND	mg/kg	0.00081	0.00014	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	0.81	BOH1175	ND			
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.16	0.13	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	0.81	BOH1175	ND			
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	1	BOH1175					
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	1	BOH1175					
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 15:05	CAR	MS-V3	1	BOH1175					



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508279-06 Client Sample Name: 0353, MW-1A, MW-1A@30.5', 8/18/2005 8:00:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Date/Time	Analyst	Instru-	QC	MB	Lab	Quals
Benzene	0.0021	mg/kg	0.0044	0.00066	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	0.88	BOH1175	ND	J	
Ethylbenzene	0.0014	mg/kg	0.0044	0.0011	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	0.88	BOH1175	ND	J	
Methyl t-butyl ether	ND	mg/kg	0.0044	0.00075	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	0.88	BOH1175	ND		
Toluene	0.0048	mg/kg	0.0044	0.0011	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	0.88	BOH1175	ND		
Total Xylenes	ND	mg/kg	0.0088	0.0044	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	0.88	BOH1175	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00088	0.00023	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	0.88	BOH1175	ND		
t-Butyl alcohol	ND	mg/kg	0.18	0.026	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	0.88	BOH1175	ND		
Diisopropyl ether	ND	mg/kg	0.0044	0.00046	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	0.88	BOH1175	ND		
Ethanol	ND	mg/kg	0.88	0.30	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	0.88	BOH1175	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00088	0.00015	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	0.88	BOH1175	ND		
Total Purgeable Petroleum Hydrocarbons	0.55	mg/kg	0.13	0.14	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	0.88	BOH1175	ND		
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	1	BOH1175				
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	1	BOH1175				
4-Bromofluorobenzene (Surrogate)	98.7	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 15:31	CAR	MS-V3	1	BOH1175				



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Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/29/05 13:59

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508279-07 Client Sample Name: 0353 MW-1A, MW-1A@40.5', 8/18/2005 8:15:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0043	0.00064	EPA-8260	08/18/05	08/19/05 15:57	CAR	MS-V3	0.86	BOH1175	ND			
Ethylbenzene	0.17	mg/kg	0.0043	0.0010	EPA-8260	08/18/05	08/19/05 15:57	CAR	MS-V3	0.86	BOH1175	ND			
Methyl t-butyl ether	ND	mg/kg	0.0043	0.00073	EPA-8260	08/18/05	08/19/05 15:57	CAR	MS-V3	0.86	BOH1175	ND			
Toluene	0.039	mg/kg	0.0043	0.0011	EPA-8260	08/18/05	08/19/05 15:57	CAR	MS-V3	0.86	BOH1175	ND			
Total Xylenes	3.8	mg/kg	0.88	0.44	EPA-8260	08/18/05	08/25/05 22:49	CAR	MS-V3	88.30	BOH1175	ND	A01		
t-Amyl Methyl ether	ND	mg/kg	0.00086	0.00022	EPA-8260	08/18/05	08/19/05 15:57	CAR	MS-V3	0.86	BOH1175	ND			
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/18/05	08/19/05 15:57	CAR	MS-V3	0.86	BOH1175	ND			
Diisopropyl ether	ND	mg/kg	0.0043	0.00045	EPA-8260	08/18/05	08/19/05 15:57	CAR	MS-V3	0.86	BOH1175	ND			
Ethanol	ND	mg/kg	0.86	0.29	EPA-8260	08/18/05	08/19/05 15:57	CAR	MS-V3	0.86	BOH1175	ND			
Ethyl t-butyl ether	ND	mg/kg	0.00086	0.00015	EPA-8260	08/18/05	08/19/05 15:57	CAR	MS-V3	0.86	BOH1175	ND			
Total Purgeable Petroleum Hydrocarbons	210	mg/kg	150	120	EPA-8260	08/18/05	08/20/05 02:13	CAR	MS-V3	736	BOH1175	ND	A01		
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/25/05 22:49	CAR	MS-V3	88.30	BOH1175					
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/20/05 02:13	CAR	MS-V3	736	BOH1175					
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 15:57	CAR	MS-V3	1	BOH1175					
Toluene-d8 (Surrogate)	98.7	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 15:57	CAR	MS-V3	1	BOH1175					
Toluene-d8 (Surrogate)	99.4	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/25/05 22:49	CAR	MS-V3	88.30	BOH1175					
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/20/05 02:13	CAR	MS-V3	736	BOH1175					
4-Bromofluorobenzene (Surrogate)	97.8	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/25/05 22:49	CAR	MS-V3	88.30	BOH1175					
4-Bromofluorobenzene (Surrogate)	99.7	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/20/05 02:13	CAR	MS-V3	736	BOH1175					
4-Bromofluorobenzene (Surrogate)	97.8	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/19/05 15:57	CAR	MS-V3	1	BOH1175					



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508279-08 Client Sample Name: 0353, MW-1A, MW-1A@45.5', 8/18/2005 8:20:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Run	Instrum-	QC	MB	Lab	Quals
						Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	
Benzene	ND	mg/kg	0.0044	0.00065	EPA-8260	08/18/05 08/19/05 16:23	CAR	MS-V3	0.87	BOH1176	ND	
Ethylbenzene	1.4	mg/kg	0.47	0.11	EPA-8260	08/18/05 08/25/05 23:16	CAR	MS-V3	94.20	BOH1176	ND	A01
Methyl t-butyl ether	ND	mg/kg	0.0044	0.00074	EPA-8260	08/18/05 08/19/05 16:23	CAR	MS-V3	0.87	BOH1176	ND	
Toluene	0.29	mg/kg	0.0044	0.0011	EPA-8260	08/18/05 08/19/05 16:23	CAR	MS-V3	0.87	BOH1176	ND	
Total Xylenes	11	mg/kg	0.94	0.47	EPA-8260	08/18/05 08/25/05 23:16	CAR	MS-V3	94.20	BOH1176	ND	A01
t-Amyl Methyl ether	ND	mg/kg	0.00087	0.00023	EPA-8260	08/18/05 08/19/05 16:23	CAR	MS-V3	0.87	BOH1176	ND	
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/18/05 08/19/05 16:23	CAR	MS-V3	0.87	BOH1176	ND	
Diisopropyl ether	ND	mg/kg	0.0044	0.00045	EPA-8260	08/18/05 08/19/05 16:23	CAR	MS-V3	0.87	BOH1176	ND	
Ethanol	ND	mg/kg	0.87	0.30	EPA-8260	08/18/05 08/19/05 16:23	CAR	MS-V3	0.87	BOH1176	ND	
Ethyl t-butyl ether	ND	mg/kg	0.00087	0.00015	EPA-8260	08/18/05 08/19/05 16:23	CAR	MS-V3	0.87	BOH1176	ND	
Total Purgeable Petroleum Hydrocarbons	280	mg/kg	160	130	EPA-8260	08/18/05 08/20/05 02:39	CAR	MS-V3	785	BOH1176	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05 08/25/05 23:16	CAR	MS-V3	94.20	BOH1176			
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05 08/19/05 16:23	CAR	MS-V3	1	BOH1176			
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05 08/20/05 02:39	CAR	MS-V3	785	BOH1176			
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05 08/25/05 23:16	CAR	MS-V3	94.20	BOH1176			
Toluene-d8 (Surrogate)	94.3	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05 08/19/05 16:23	CAR	MS-V3	1	BOH1176			
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05 08/20/05 02:39	CAR	MS-V3	785	BOH1176			
4-Bromofluorobenzene (Surrogate)	97.2	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05 08/19/05 16:23	CAR	MS-V3	1	BOH1176			
4-Bromofluorobenzene (Surrogate)	91.1	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05 08/25/05 23:16	CAR	MS-V3	94.20	BOH1176			
4-Bromofluorobenzene (Surrogate)	99.4	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05 08/20/05 02:39	CAR	MS-V3	785	BOH1176			



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21 Technology Drive
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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508279-09		Client Sample Name: 0353, MW-1A, MW-1A@51.0', 8/18/2005		8:28:00AM, Robert Ponce/Sean Owens	
Constituent	Result	Units	PQL	MDL	Method
Benzene	0.028	mg/kg	0.0047	0.00070	EPA-8260
Ethylbenzene	3.4	mg/kg	0.44	0.11	EPA-8260
Methyl t-butyl ether	ND	mg/kg	0.0047	0.00080	EPA-8260
Toluene	1.5	mg/kg	0.44	0.12	EPA-8260
Total Xylenes	27	mg/kg	0.89	0.44	EPA-8260
t-Amyl Methyl ether	ND	mg/kg	0.00094	0.00024	EPA-8260
t-Butyl alcohol	ND	mg/kg	0.19	0.028	EPA-8260
Diisopropyl ether	ND	mg/kg	0.0047	0.00049	EPA-8260
Ethanol	ND	mg/kg	0.94	0.32	EPA-8260
Ethy t-butyl ether	ND	mg/kg	0.00094	0.00016	EPA-8260
Total Purgeable Petroleum Hydrocarbons	390	mg/kg	150	120	EPA-8260
1,2-Dichloroethane-d4 (Surrogate)	99.4	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05 08/19/05 16:54
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05 08/20/05 03:06
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05 08/20/05 03:06
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05 08/25/05 23:42
Toluene-d8 (Surrogate)	96.5	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05 08/20/05 03:06
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05 08/19/05 16:54
4-Bromofluorobenzene (Surrogate)	97.4	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05 08/20/05 03:06
4-Bromofluorobenzene (Surrogate)	96.0	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05 08/25/05 23:42
4-Bromofluorobenzene (Surrogate)	96.6	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05 08/19/05 16:54



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/29/05 13:59

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508279-10	Client Sample Name:	0353, MW-1A, MW-1A@56.5'	Prep	Run	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab	Quals
Constituent	Result	Units	PQL	MDL	Method	Date								
Benzene	0.0034	mg/kg	0.0044	0.00066	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176	ND	J	
Ethylbenzene	0.017	mg/kg	0.0044	0.0011	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176	ND		
Methyl t-butyl ether	0.017	mg/kg	0.0044	0.00075	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176	ND		
Toluene	0.055	mg/kg	0.0044	0.0011	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176	ND		
Total Xylenes	0.11	mg/kg	0.0088	0.0044	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00088	0.00023	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176	ND		
t-Butyl alcohol	ND	mg/kg	0.18	0.026	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176	ND	V11	
Diisopropyl ether	ND	mg/kg	0.0044	0.00046	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176	ND		
Ethanol	ND	mg/kg	0.88	0.30	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00088	0.00015	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176	ND		
Total Purgeable Petroleum Hydrocarbons	0.67	mg/kg	0.18	0.14	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176	ND		
1,2-Dichlorethane-d4 (Surrogate)	93.7	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176				
Toluene-d8 (Surrogate)	91.7	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176				
4-Bromofluorobenzene (Surrogate)	83.4	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/25/05 21:58	CAR	MS-V3	0.88	BOH1176				



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Volatile Organic Analysis (EPA Method 8260)

Sample ID:	Client Sample Name:	Date:	Run:	Analyst:	Instru-	QC:	MB	Lab				
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Batch ID	Bias	Quals		
Benzene	0.0053	mg/kg	0.0044	0.00066	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176	ND
Ethylbenzene	0.023	mg/kg	0.0044	0.0011	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176	ND
Methyl t-butyl ether	0.010	mg/kg	0.0044	0.00075	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176	ND
Toluene	0.079	mg/kg	0.0044	0.0011	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176	ND
Total Xylenes	0.15	mg/kg	0.0088	0.0044	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176	ND
t-Amyl Methyl ether	ND	mg/kg	0.00088	0.00023	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176	ND
t-Butyl alcohol	ND	mg/kg	0.18	0.026	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176	ND
Diisopropyl ether	ND	mg/kg	0.0044	0.00046	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176	ND
Ethanol	ND	mg/kg	0.88	0.30	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176	ND
Ethy t-butyl ether	ND	mg/kg	0.00088	0.00015	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176	ND
Total Purgeable Petroleum Hydrocarbons	0.88	mg/kg	0.18	0.14	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176	ND
1,2-Dichloroethane-d4 (Surrogate)	92.9	%	70 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176		
Toluene-d8 (Surrogate)	87.5	%	81 - 117 (LCL - UCL)	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176		
4-Bromofluorobenzene (Surrogate)	84.7	%	74 - 121 (LCL - UCL)	EPA-8260	08/18/05	08/25/05 22:24	CAR	MS-V3	0.88	BOH1176		



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Project: 0353
Project Number: [none]
Project Manager: John Nordinstam

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508279-12	Client Sample Name:	0353, MW-1A, MW-1A@66.0'	8/18/2005	8:55:00AM, Robert Ponce/Sean Owens	QC	MB	Lab Quals						
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	Bias	J
Benzene	0.0019	mg/kg	0.00046	0.00069	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	0.92	BOH0325	ND	
Ethylbenzene	0.021	mg/kg	0.0046	0.0011	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	0.92	BOH0325	ND	
Methyl t-butyl ether	0.010	mg/kg	0.0046	0.00078	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	0.92	BOH0325	ND	
Toluene	0.037	mg/kg	0.0046	0.0012	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	0.92	BOH0325	ND	
Total Xylenes	0.14	mg/kg	0.0092	0.0046	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	0.92	BOH0325	ND	
t-Amyl Methyl ether	ND	mg/kg	0.00092	0.00024	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	0.92	BOH0325	ND	
t-Butyl alcohol	ND	mg/kg	0.18	0.028	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	0.92	BOH0325	ND	
Diisopropyl ether	ND	mg/kg	0.0046	0.00048	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	0.92	BOH0325	ND	
Ethanol	ND	mg/kg	0.92	0.31	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	0.92	BOH0325	ND	
Ethyl t-butyl ether	ND	mg/kg	0.00092	0.00016	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	0.92	BOH0325	ND	
Total Purgeable Petroleum Hydrocarbons	2.0	mg/kg	0.18	0.15	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	0.92	BOH0325	ND	
1,2-Dichloroethane-d4 (Surrogate)	91.2	%	70 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	1	BOH0325			
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	1	BOH0325			
4-Bromofluorobenzene (Surrogate)	94.2	%	74 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	17:42	MMS	MS-V2	1	BOH0325			



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Project: 0353
Project Number: [none]
Project Manager: John Nordinstam

Reported: 08/29/05 13:59

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508279-13 Client Sample Name: 0353, MW-1A, MW-1A@70.5', 8/18/2005 9:04:00AM, Robert Ponce/Sean Owens

Constituent	Result	Units	PQL	MDL	Method	Date	Run	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab Quals
Benzene	0.0039	mg/kg	0.0041	0.00062	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	0.83	BOH0325	ND	J	
Ethylbenzene	0.041	mg/kg	0.0041	0.00099	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	0.83	BOH0325	ND		
Methyl t-butyl ether	0.011	mg/kg	0.0041	0.00070	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	0.83	BOH0325	ND		
Toluene	0.081	mg/kg	0.0041	0.0011	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	0.83	BOH0325	ND		
Total Xylenes	0.28	mg/kg	0.0083	0.0041	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	0.83	BOH0325	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00083	0.00022	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	0.83	BOH0325	ND		
t-Butyl alcohol	ND	mg/kg	0.17	0.025	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	0.83	BOH0325	ND		
Diisopropyl ether	ND	mg/kg	0.0041	0.00043	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	0.83	BOH0325	ND		
Ethanol	ND	mg/kg	0.83	0.28	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	0.83	BOH0325	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00083	0.00014	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	0.83	BOH0325	ND		
Total Purgeable Petroleum Hydrocarbons	12	mg/kg	4.1	3.3	EPA-8260	08/19/05	08/22/05	18:22	MMS	MS-V2	20.39	BOH0325	ND	A01	
1,2-Dichloroethane-d4 (Surrogate)	99.5	%	70 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	1	BOH0325				
1,2-Dichloroethane-d4 (Surrogate)	82.5	%	70 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/22/05	18:22	MMS	MS-V2	20.39	BOH0325				
Toluene-d8 (Surrogate)	99.3	%	81 - 117 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	1	BOH0325				
Toluene-d8 (Surrogate)	130	%	81 - 117 (LCL - UCL)	EPA-8260	08/19/05	08/22/05	18:22	MMS	MS-V2	20.39	BOH0325	S09			
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/22/05	18:22	MMS	MS-V2	20.39	BOH0325				
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	18:15	MMS	MS-V2	1	BOH0325				



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Volatile Organic Analysis (EPA Method 8260)

Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	Instru-	Dilution	Batch ID	QC	MB	Lab	Quals
						Prep	Run		ment ID						
Benzene	ND	mg/kg	0.0045	0.00068	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	0.91	BOH0325	ND			
Ethylbenzene	0.0011	mg/kg	0.0045	0.0011	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	0.91	BOH0325	ND		J	
Methyl t-butyl ether	0.042	mg/kg	0.0045	0.00077	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	0.91	BOH0325	ND			
Toluene	0.0029	mg/kg	0.0045	0.0012	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	0.91	BOH0325	ND		J	
Total Xylenes	0.0067	mg/kg	0.0091	0.0045	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	0.91	BOH0325	ND		J	
t-Amyl Methyl ether	ND	mg/kg	0.00091	0.00024	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	0.91	BOH0325	ND			
t-Butyl alcohol	ND	mg/kg	0.18	0.027	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	0.91	BOH0325	ND			
Diisopropyl ether	ND	mg/kg	0.0045	0.00047	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	0.91	BOH0325	ND			
Ethanol	ND	mg/kg	0.91	0.31	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	0.91	BOH0325	ND			
Ethyl t-butyl ether	ND	mg/kg	0.00091	0.00015	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	0.91	BOH0325	ND			
Total Purgeable Petroleum Hydrocarbons	0.22	mg/kg	0.18	0.15	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	0.91	BOH0325	ND			
1,2-Dichloroethane-d4 (Surrogate)	95.6	%	70 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	1	BOH0325					
Toluene-d8 (Surrogate)	98.3	%	81 - 117 (LCL - UCL)	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	1	BOH0325					
4-Bromofluorobenzene (Surrogate)	94.6	%	74 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05 18:42	MMS	MS-V2	1	BOH0325					



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Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/29/05 13:59

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508279-15	Client Sample Name:	0353, MW-1A, MW-1A@81.0'	8/18/2005	9:26:00AM	Robert Ponce/Sean Owens										
Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Date/Time	Analyst	Instru-	Dilution	Batch ID	QC	MB	Lab	Quals
Benzene	ND	mg/kg	0.0047	0.00071	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	0.94	BOH0325	ND			
Ethylbenzene	ND	mg/kg	0.0047	0.00111	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	0.94	BOH0325	ND			
Methyl t-butyl ether	0.051	mg/kg	0.0047	0.00080	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	0.94	BOH0325	ND			
Toluene	0.0040	mg/kg	0.0047	0.0012	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	0.94	BOH0325	ND		J	
Total Xylenes	0.0066	mg/kg	0.0094	0.0047	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	0.94	BOH0325	ND		J	
t-Amyl Methyl ether	ND	mg/kg	0.00094	0.00025	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	0.94	BOH0325	ND			
t-Butyl alcohol	ND	mg/kg	0.19	0.028	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	0.94	BOH0325	ND			
Diisopropyl ether	ND	mg/kg	0.0047	0.00049	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	0.94	BOH0325	ND			
Ethanol	ND	mg/kg	0.94	0.32	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	0.94	BOH0325	ND			
Ethyl t-butyl ether	ND	mg/kg	0.00094	0.00016	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	0.94	BOH0325	ND			
Total Purgeable Petroleum Hydrocarbons	0.17	mg/kg	0.19	0.15	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	0.94	BOH0325	ND		J, A53	
1,2-Dichloroethane-d4 (Surrogate)	98.6	%	70 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	1	BOH0325					
Toluene-d8 (Surrogate)	97.3	%	81 - 117 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	1	BOH0325					
4-Bromofluorobenzene (Surrogate)	96.0	%	74 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	19:08	MMS	MS-V2	1	BOH0325					

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508279-16	Client Sample Name:	0353, MW-1A, MW-1A@86.0'	8/18/2005	9:34:00AM	Robert Ponce/Sean Owens									
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab Quals
Benzene	0.0030	mg/kg	0.00043	0.00064	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	0.86	BOH0325	ND	J	
Ethylbenzene	0.020	mg/kg	0.0043	0.0010	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	0.86	BOH0325	ND		
Methyl t-butyl ether	0.056	mg/kg	0.0043	0.00073	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	0.86	BOH0325	ND		
Toluene	0.055	mg/kg	0.0043	0.0011	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	0.86	BOH0325	ND		
Total Xylenes	0.14	mg/kg	0.0086	0.0043	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	0.86	BOH0325	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00086	0.00022	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	0.86	BOH0325	ND		
t-Butyl alcohol	ND	mg/kg	0.17	0.026	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	0.86	BOH0325	ND		
Diisopropyl ether	ND	mg/kg	0.0043	0.00045	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	0.86	BOH0325	ND		
Ethanol	ND	mg/kg	0.86	0.29	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	0.86	BOH0325	ND		
Ethy t-butyl ether	ND	mg/kg	0.00086	0.00015	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	0.86	BOH0325	ND		
Total Purgeable Petroleum Hydrocarbons	1.3	mg/kg	0.17	0.14	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	0.86	BOH0325	ND		
1,2-Dichlorethane-d4 (Surrogate)	100	%	70 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	1	BOH0325				
Toluene-d8 (Surrogate)	97.5	%	81 - 117 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	1	BOH0325				
4-Bromofluorobenzene (Surrogate)	98.1	%	74 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	19:35	MMS	MS-V2	1	BOH0325				



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Volatile Organic Analysis (EPA Method 8260)

Sample ID:	0508279-17	Client Sample Name:	0353, MW-1A, MW-1A@915'	8/18/2005	9:50:00AM, Robert Ponce/Sean Owens	QC	MB	Lab Quals										
Constituent		Result	Units	PQL	MDL	Method	Date	Run	Instru-	Batch ID	Dilution	Analyst	Batch ID	Dilution	Instrument ID	QC	MB	Lab Quals
Benzene	ND	mg/kg	0.0041	0.00062	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	0.82	BOH0325	ND					
Ethylbenzene	0.0022	mg/kg	0.0041	0.00098	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	0.82	BOH0325	ND	J				
Methyl t-butyl ether	0.0047	mg/kg	0.0041	0.00070	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	0.82	BOH0325	ND					
Toluene	0.0071	mg/kg	0.0041	0.0011	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	0.82	BOH0325	ND					
Total Xylenes	0.014	mg/kg	0.0082	0.0041	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	0.82	BOH0325	ND					
t-Amyl Methyl ether	ND	mg/kg	0.00082	0.00021	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	0.82	BOH0325	ND					
t-Butyl alcohol	ND	mg/kg	0.16	0.025	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	0.82	BOH0325	ND					
Diisopropyl ether	ND	mg/kg	0.0041	0.00043	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	0.82	BOH0325	ND					
Ethanol	ND	mg/kg	0.82	0.28	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	0.82	BOH0325	ND					
Ethyl t-butyl ether	ND	mg/kg	0.00082	0.00014	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	0.82	BOH0325	ND					
Total Purgeable Petroleum Hydrocarbons	0.23	mg/kg	0.16	0.13	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	0.82	BOH0325	ND					
1,2-Dichloroethane-d4 (Surrogate)	97.2	%	70 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	1	BOH0325							
Toluene-d8 (Surrogate)	96.3	%	81 - 117 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	1	BOH0325							
4-Bromofluorobenzene (Surrogate)	94.5	%	74 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	20:02	MMS	MS-V2	1	BOH0325							



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508279-18	Client Sample Name:	0353, MVN-1A, MVN-1A@96.0'	8/18/2005	10:00:00AM	Robert Ponce/Sean Owens	QC	MB	Lab	Quals	
Constituent	Result	Units	PQL	MDL	Method	Date	Prep Run	Analyst	Instrum-	Batch ID	Bias
Benzene	0.0010	mg/kg	0.0037	0.00056	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	0.75
Ethylbenzene	0.0050	mg/kg	0.0037	0.00089	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	0.75
Methyl t-butyl ether	0.046	mg/kg	0.0037	0.00063	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	0.75
Toluene	0.016	mg/kg	0.0037	0.00097	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	0.75
Total Xylenes	0.032	mg/kg	0.0074	0.0037	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	0.75
t-Amyl Methyl ether	ND	mg/kg	0.00074	0.00019	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	0.75
t-Butyl alcohol	ND	mg/kg	0.15	0.022	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	0.75
Diisopropyl ether	ND	mg/kg	0.0037	0.00039	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	0.75
Ethanol	ND	mg/kg	0.74	0.25	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	0.75
Ethy t-butyl ether	ND	mg/kg	0.00074	0.00013	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	0.75
Total Purgeable Petroleum Hydrocarbons	0.28	mg/kg	0.15	0.12	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	0.75
1,2-Dichloroethane-d4 (Surrogate)	95.7	%	70 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	1	BOH0325
Toluene-d8 (Surrogate)	99.0	%	81 - 117 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	1	BOH0325
4-Bromofluorobenzene (Surrogate)	90.6	%	74 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	20:29	MMS	MS-V2	1	BOH0325



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508279-19	Client Sample Name:	0353, MW-1A, MW-1A@10110'	8/18/2005	10:10:00AM	Robert Ponce/Sean Owens	QC	MB	Lab	Quals	
Constituent	Result	Units	PQL	MDL	Method	Date	Run	Instru-	Batch ID	Bias	J
Benzene	ND	mg/kg	0.0039	0.00059	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	0.78	BOH0325 ND
Ethylbenzene	0.0014	mg/kg	0.0039	0.00094	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	0.78	BOH0325 ND
Methyl-t-butyl ether	0.0043	mg/kg	0.0039	0.00066	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	0.78	BOH0325 ND
Toluene	0.0044	mg/kg	0.0039	0.0010	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	0.78	BOH0325 ND
Total Xylenes	0.0096	mg/kg	0.0078	0.0039	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	0.78	BOH0325 ND
t-Amyl Methyl ether	ND	mg/kg	0.00078	0.00020	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	0.78	BOH0325 ND
t-Butyl alcohol	ND	mg/kg	0.16	0.023	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	0.78	BOH0325 ND
Diisopropyl ether	ND	mg/kg	0.0039	0.00041	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	0.78	BOH0325 ND
Ethanol	ND	mg/kg	0.78	0.27	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	0.78	BOH0325 ND
Ethyl t-butyl ether	ND	mg/kg	0.00078	0.00013	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	0.78	BOH0325 ND
Total Purgeable Petroleum Hydrocarbons	0.20	mg/kg	0.16	0.13	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	0.78	BOH0325 ND
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	1	BOH0325	
Toluene-d8 (Surrogate)	99.0	%	81 - 117 (LCL - UCL)	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	1	BOH0325	
4-Bromofluorobenzene (Surrogate)	96.2	%	74 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05 20:56	MMS	MS-V2	1	BOH0325	



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508279-20		Client Sample Name: 0353, MW-1A, MW-1A@106.5', 8/18/2005 10:25:00AM, Robert Ponce/Sean Owens													
Constituent	Result	Units	PQL	MDL	Method	Date	Prep	Run	Analyst	Instru-	Batch ID	QC	MB	Lab	Quals
Benzene	0.0017	mg/kg	0.0039	0.00059	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	0.79	BOH0325	ND	J	
Ethylbenzene	0.0033	mg/kg	0.0039	0.00094	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	0.79	BOH0325	ND	J	
Methyl t-butyl ether	0.0031	mg/kg	0.0039	0.00067	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	0.79	BOH0325	ND	J	
Toluene	0.010	mg/kg	0.0039	0.0010	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	0.79	BOH0325	ND		
Total Xylenes	0.019	mg/kg	0.0078	0.0039	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	0.79	BOH0325	ND		
t-Amyl Methyl ether	ND	mg/kg	0.00079	0.00020	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	0.79	BOH0325	ND		
t-Butyl alcohol	ND	mg/kg	0.16	0.024	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	0.79	BOH0325	ND		
Diisopropyl ether	ND	mg/kg	0.0039	0.00041	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	0.79	BOH0325	ND		
Ethanol	ND	mg/kg	0.78	0.27	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	0.79	BOH0325	ND		
Ethyl t-butyl ether	ND	mg/kg	0.00079	0.00013	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	0.79	BOH0325	ND		
Total Purgeable Petroleum Hydrocarbons	0.23	mg/kg	0.16	0.13	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	0.79	BOH0325	ND		
1,2-Dichloroethane-d4 (Surrogate)	93.7	%	70 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	1	BOH0325				
Toluene-d8 (Surrogate)	99.6	%	81 - 117 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	1	BOH0325				
4-Bromofluorobenzene (Surrogate)	97.6	%	74 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05	21:22	MMS	MS-V2	1	BOH0325				



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508279-21	Client Sample Name:	0353, MW-1A, MW-1A@111.5'	8/18/2005 10:36:00AM, Robert Ponce/Sean Owens	QC	MB	Lab Quals						
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	Bias	Quals
Benzene	0.0011	mg/kg	0.0037	0.00056	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	0.74	BOH0326	ND	J
Ethylbenzene	0.0035	mg/kg	0.0037	0.00089	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	0.74	BOH0326	ND	J
Methyl t-butyl ether	0.0034	mg/kg	0.0037	0.00063	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	0.74	BOH0326	ND	J
Toluene	0.011	mg/kg	0.0037	0.00096	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	0.74	BOH0326	ND	
Total Xylenes	0.022	mg/kg	0.0074	0.0037	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	0.74	BOH0326	ND	
t-Amyl Methyl ether	ND	mg/kg	0.00074	0.00019	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	0.74	BOH0326	ND	
t-Butyl alcohol	ND	mg/kg	0.15	0.022	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	0.74	BOH0326	ND	
Diisopropyl ether	ND	mg/kg	0.0037	0.00039	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	0.74	BOH0326	ND	
Ethanol	ND	mg/kg	0.74	0.25	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	0.74	BOH0326	ND	
Ethyl t-butyl ether	ND	mg/kg	0.00074	0.00013	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	0.74	BOH0326	ND	
Total Purgeable Petroleum Hydrocarbons	0.26	mg/kg	0.15	0.12	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	0.74	BOH0326	ND	
1,2-Dichloroethane-d4 (Surrogate)	99.2	%	70 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	1	BOH0326			
Toluene-d8 (Surrogate)	98.5	%	81 - 117 (LCL - UCL)	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	1	BOH0326			
4-Bromofluorobenzene (Surrogate)	95.4	%	74 - 121 (LCL - UCL)	EPA-8260	08/19/05	08/19/05 21:49	MMS	MS-V2	1	BOH0326			



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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508279-22	Client Sample Name:	0353, MW-1A, MW-1A@116.0', 8/18/2005	Prep Run	Date/Time	Analyst	Instrum-	QC	MB	Lab	
Constituent	Result	Units	PQL	MDL	Method	Date	ment ID	Dilution	Batch ID	Bias	Quals
Benzene	ND	mg/kg	0.0037	0.00055	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	0.74	BOH0326	ND
Ethylbenzene	0.0032	mg/kg	0.0037	0.00088	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	0.74	BOH0326	ND
Methyl t-butyl ether	0.0024	mg/kg	0.0037	0.00063	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	0.74	BOH0326	J
Toluene	0.0092	mg/kg	0.0037	0.00096	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	0.74	BOH0326	ND
Total Xylenes	0.020	mg/kg	0.0074	0.0037	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	0.74	BOH0326	ND
t-Amyl Methyl ether	ND	mg/kg	0.00074	0.00019	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	0.74	BOH0326	ND
t-Butyl alcohol	ND	mg/kg	0.15	0.022	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	0.74	BOH0326	ND
Diisopropyl ether	ND	mg/kg	0.0037	0.00038	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	0.74	BOH0326	ND
Ethanol	ND	mg/kg	0.74	0.25	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	0.74	BOH0326	ND
Ethyl t-butyl ether	ND	mg/kg	0.00074	0.00013	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	0.74	BOH0326	ND
Total Purgeable Petroleum Hydrocarbons	0.21	mg/kg	0.15	0.12	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	0.74	BOH0326	ND
1,2-Dichloroethane-d4 (Surrogate)	97.5	%	70 - 121 (LCL - UCL)	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	1	BOH0326		
Toluene-d8 (Surrogate)	89.1	%	81 - 117 (LCL - UCL)	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	1	BOH0326		
4-Bromofluorobenzene (Surrogate)	84.8	%	74 - 121 (LCL - UCL)	EPA-8260	08/19/05 08/19/05	22:16 MMS	MS-V2	1	BOH0326		



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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/29/05 13:59

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source	Result	Spike Added	Units	RPD Recovery	Control Limits	
									Percent	Percent Recovery Lab Quals
Benzene	BOH0325	BOH0325-MS1	Matrix Spike	ND	0.12175	0.12500	mg/kg	97.4	70 - 130	
		BOH0325-MSD1	Matrix Spike Duplicate	ND	0.13090	0.12500	mg/kg	7.51	20	70 - 130
Toluene	BOH0325	BOH0325-MS1	Matrix Spike	ND	0.11296	0.12500	mg/kg	90.4	70 - 130	
		BOH0325-MSD1	Matrix Spike Duplicate	ND	0.12693	0.12500	mg/kg	12.1	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BOH0325	BOH0325-MS1	Matrix Spike	ND	0.050780	0.050000	mg/kg	102	70 - 121	
		BOH0325-MSD1	Matrix Spike Duplicate	ND	0.048950	0.050000	mg/kg	97.9	70 - 121	
Toluene-d8 (Surrogate)	BOH0325	BOH0325-MS1	Matrix Spike	ND	0.048840	0.050000	mg/kg	97.7	81 - 117	
		BOH0325-MSD1	Matrix Spike Duplicate	ND	0.049250	0.050000	mg/kg	98.5	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH0325	BOH0325-MS1	Matrix Spike	ND	0.048730	0.050000	mg/kg	97.5	74 - 121	
		BOH0325-MSD1	Matrix Spike Duplicate	ND	0.050420	0.050000	mg/kg	101	74 - 121	
Benzene	BOH0326	BOH0326-MS1	Matrix Spike	ND	0.11672	0.12500	mg/kg	93.4	70 - 130	
		BOH0326-MSD1	Matrix Spike Duplicate	ND	0.11650	0.12500	mg/kg	0.214	20	70 - 130
Toluene	BOH0326	BOH0326-MS1	Matrix Spike	ND	0.11953	0.12500	mg/kg	95.6	70 - 130	
		BOH0326-MSD1	Matrix Spike Duplicate	ND	0.11183	0.12500	mg/kg	6.59	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BOH0326	BOH0326-MS1	Matrix Spike	ND	0.047150	0.050000	mg/kg	94.3	70 - 121	
		BOH0326-MSD1	Matrix Spike Duplicate	ND	0.048370	0.050000	mg/kg	96.7	81 - 117	
Toluene-d8 (Surrogate)	BOH0326	BOH0326-MS1	Matrix Spike	ND	0.049590	0.050000	mg/kg	99.2	81 - 117	
		BOH0326-MSD1	Matrix Spike Duplicate	ND	0.050030	0.050000	mg/kg	100	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH0326	BOH0326-MS1	Matrix Spike	ND	0.049850	0.050000	mg/kg	99.7	74 - 121	
		BOH0326-MSD1	Matrix Spike Duplicate	ND	0.049140	0.050000	mg/kg	98.3	74 - 121	
Benzene	BOH1175	BOH1175-MS1	Matrix Spike	ND	0.12523	0.12500	mg/kg	100	70 - 130	
		BOH1175-MSD1	Matrix Spike Duplicate	ND	0.11932	0.12500	mg/kg	95.5	20	70 - 130
Toluene	BOH1175	BOH1175-MS1	Matrix Spike	ND	0.12636	0.12500	mg/kg	101	70 - 130	
		BOH1175-MSD1	Matrix Spike Duplicate	ND	0.12543	0.12500	mg/kg	0.995	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BOH1175	BOH1175-MS1	Matrix Spike	ND	0.050480	0.050000	mg/kg	101	70 - 121	
		BOH1175-MSD1	Matrix Spike Duplicate	ND	0.050230	0.050000	mg/kg	100	70 - 121	
Toluene-d8 (Surrogate)	BOH1175	BOH1175-MS1	Matrix Spike	ND	0.052110	0.050000	mg/kg	104	81 - 117	
		BOH1175-MSD1	Matrix Spike Duplicate	ND	0.051260	0.050000	mg/kg	103	81 - 117	



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Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source	Result	Spike Added	Units	Control Limits			
								RPD	Percent Recovery	RPD	Percent Recovery
4-Bromofluorobenzene (Surrogate)	BOH1175	BOH1175-MS1	Matrix Spike	ND	0.053000	0.050000	mg/kg	106	74 - 121		
		BOH1175-MSD1	Matrix Spike Duplicate	ND	0.049150	0.050000	mg/kg	98.3		74 - 121	
Benzene	BOH1176	BOH1176-MS1	Matrix Spike	ND	0.11031	0.12500	mg/kg	88.2		70 - 130	
		BOH1176-MSD1	Matrix Spike Duplicate	ND	0.12604	0.12500	mg/kg	13.5	101	20	70 - 130
Toluene	BOH1176	BOH1176-MS1	Matrix Spike	ND	0.11139	0.12500	mg/kg	89.1		70 - 130	
		BOH1176-MSD1	Matrix Spike Duplicate	ND	0.12336	0.12500	mg/kg	10.6	99.1	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BOH1176	BOH1176-MS1	Matrix Spike	ND	0.050950	0.050000	mg/kg	102		70 - 121	
		BOH1176-MSD1	Matrix Spike Duplicate	ND	0.053200	0.050000	mg/kg	106		70 - 121	
Toluene-d8 (Surrogate)	BOH1176	BOH1176-MS1	Matrix Spike	ND	0.049500	0.050000	mg/kg	99.0		81 - 117	
		BOH1176-MSD1	Matrix Spike Duplicate	ND	0.050420	0.050000	mg/kg	101		81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH1176	BOH1176-MS1	Matrix Spike	ND	0.050360	0.050000	mg/kg	101		74 - 121	
		BOH1176-MSD1	Matrix Spike Duplicate	ND	0.050180	0.050000	mg/kg	100		74 - 121	



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Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Control Limits		
								Percent Recovery	RPD	Lab Quals
Benzene	BOH0325	BOH0325-BS1	LCS	0.12189	0.12500	0.0050	mg/kg	97.5	70 - 130	
Toluene	BOH0325	BOH0325-BS1	LCS	0.12239	0.12500	0.0050	mg/kg	97.9	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOH0325	BOH0325-BS1	LCS	0.048600	0.050000	0.0050	mg/kg	97.2	70 - 121	
Toluene-d8 (Surrogate)	BOH0325	BOH0325-BS1	LCS	0.050750	0.050000	0.0050	mg/kg	102	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH0325	BOH0325-BS1	LCS	0.048450	0.050000	0.0050	mg/kg	96.9	74 - 121	
Benzene	BOH0326	BOH0326-BS1	LCS	0.111531	0.12500	0.0050	mg/kg	92.2	70 - 130	
Toluene	BOH0326	BOH0326-BS1	LCS	0.111386	0.12500	0.0050	mg/kg	91.1	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOH0326	BOH0326-BS1	LCS	0.049260	0.050000	0.0050	mg/kg	98.5	70 - 121	
Toluene-d8 (Surrogate)	BOH0326	BOH0326-BS1	LCS	0.048110	0.050000	0.0050	mg/kg	96.2	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH0326	BOH0326-BS1	LCS	0.049170	0.050000	0.0050	mg/kg	98.3	74 - 121	
Benzene	BOH1175	BOH1175-BS1	LCS	0.12275	0.12500	0.0050	mg/kg	98.2	70 - 130	
Toluene	BOH1175	BOH1175-BS1	LCS	0.111834	0.12500	0.0050	mg/kg	94.7	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOH1175	BOH1175-BS1	LCS	0.050890	0.050000	0.0050	mg/kg	102	70 - 121	
Toluene-d8 (Surrogate)	BOH1175	BOH1175-BS1	LCS	0.050640	0.050000	0.0050	mg/kg	101	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH1175	BOH1175-BS1	LCS	0.048980	0.050000	0.0050	mg/kg	98.0	74 - 121	
Benzene	BOH1176	BOH1176-BS1	LCS	0.111492	0.12500	0.0050	mg/kg	91.9	70 - 130	
Toluene	BOH1176	BOH1176-BS1	LCS	0.122328	0.12500	0.0050	mg/kg	101	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOH1176	BOH1176-BS1	LCS	0.050450	0.050000	0.0050	mg/kg	101	70 - 121	
Toluene-d8 (Surrogate)	BOH1176	BOH1176-BS1	LCS	0.050540	0.050000	0.0050	mg/kg	101	81 - 117	
4-Bromofluorobenzene (Surrogate)	BOH1176	BOH1176-BS1	LCS	0.048810	0.050000	0.0050	mg/kg	97.6	74 - 121	



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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BOH0325	BOH0325-BLK1	ND	mg/kg	0.0050	0.00075	
Ethylbenzene	BOH0325	BOH0325-BLK1	ND	mg/kg	0.0050	0.0012	
Methyl t-butyl ether	BOH0325	BOH0325-BLK1	ND	mg/kg	0.0050	0.00085	
Toluene	BOH0325	BOH0325-BLK1	ND	mg/kg	0.0050	0.0013	
Total Xylenes	BOH0325	BOH0325-BLK1	ND	mg/kg	0.010	0.0050	
t-Amyl Methyl ether	BOH0325	BOH0325-BLK1	ND	mg/kg	0.0010	0.00026	
t-Butyl alcohol	BOH0325	BOH0325-BLK1	ND	mg/kg	0.20	0.030	
Diisopropyl ether	BOH0325	BOH0325-BLK1	ND	mg/kg	0.0050	0.00052	
Ethanol	BOH0325	BOH0325-BLK1	ND	mg/kg	1.0	0.34	
Ethyl t-butyl ether	BOH0325	BOH0325-BLK1	ND	mg/kg	0.0010	0.00017	
Total Purgeable Petroleum Hydrocarbons	BOH0325	BOH0325-BLK1	ND	mg/kg	0.20	0.16	
1,2-Dichloroethane-d4 (Surrogate)	BOH0325	BOH0325-BLK1	99.1	%	70 - 121	(LCL - UCL)	
Toluene-d8 (Surrogate)	BOH0325	BOH0325-BLK1	101	%	81 - 117	(LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BOH0325	BOH0325-BLK1	94.3	%	74 - 121	(LCL - UCL)	
Benzene	BOH0326	BOH0326-BLK1	ND	mg/kg	0.0050	0.00075	
Ethylbenzene	BOH0326	BOH0326-BLK1	ND	mg/kg	0.0050	0.0012	
Methyl t-butyl ether	BOH0326	BOH0326-BLK1	ND	mg/kg	0.0050	0.00085	
Toluene	BOH0326	BOH0326-BLK1	ND	mg/kg	0.0050	0.0013	
Total Xylenes	BOH0326	BOH0326-BLK1	ND	mg/kg	0.010	0.0050	
t-Amyl Methyl ether	BOH0326	BOH0326-BLK1	ND	mg/kg	0.0010	0.00026	
t-Butyl alcohol	BOH0326	BOH0326-BLK1	ND	mg/kg	0.20	0.030	
Diisopropyl ether	BOH0326	BOH0326-BLK1	ND	mg/kg	0.0050	0.00052	
Ethanol	BOH0326	BOH0326-BLK1	ND	mg/kg	1.0	0.34	
Ethyl t-butyl ether	BOH0326	BOH0326-BLK1	ND	mg/kg	0.0010	0.00017	
Total Purgeable Petroleum Hydrocarbons	BOH0326	BOH0326-BLK1	ND	mg/kg	0.20	0.16	



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Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	BOH0326	BOH0326-BLK1	98.7	%	70 - 121	(LCL - UCL)	
Toluene-d8 (Surrogate)	BOH0326	BOH0326-BLK1	95.0	%	81 - 117	(LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BOH0326	BOH0326-BLK1	92.7	%	74 - 121	(LCL - UCL)	
Benzene	BOH1175	BOH1175-BLK1	ND	mg/kg	0.0050	0.00075	
Ethylbenzene	BOH1175	BOH1175-BLK1	ND	mg/kg	0.0050	0.0012	
Methyl t-butyl ether	BOH1175	BOH1175-BLK1	ND	mg/kg	0.0050	0.00085	
Toluene	BOH1175	BOH1175-BLK1	ND	mg/kg	0.0050	0.0013	
Total Xylenes	BOH1175	BOH1175-BLK1	ND	mg/kg	0.010	0.0050	
t-Amyl Methyl ether	BOH1175	BOH1175-BLK1	ND	mg/kg	0.0010	0.00026	
t-Butyl alcohol	BOH1175	BOH1175-BLK1	ND	mg/kg	0.20	0.030	
Diisopropyl ether	BOH1175	BOH1175-BLK1	ND	mg/kg	0.0050	0.00052	
Ethanol	BOH1175	BOH1175-BLK1	ND	mg/kg	1.0	0.34	
Ethyl t-butyl ether	BOH1175	BOH1175-BLK1	ND	mg/kg	0.0010	0.00017	
Total Purgeable Petroleum Hydrocarbons	BOH1175	BOH1175-BLK1	ND	mg/kg	0.20	0.16	
1,2-Dichloroethane-d4 (Surrogate)	BOH1175	BOH1175-BLK1	110	%	70 - 121	(LCL - UCL)	
Toluene-d8 (Surrogate)	BOH1175	BOH1175-BLK1	97.2	%	81 - 117	(LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BOH1175	BOH1175-BLK1	98.8	%	74 - 121	(LCL - UCL)	
Benzene	BOH1176	BOH1176-BLK1	ND	mg/kg	0.0050	0.00075	
Ethylbenzene	BOH1176	BOH1176-BLK1	ND	mg/kg	0.0050	0.0012	
Methyl t-butyl ether	BOH1176	BOH1176-BLK1	ND	mg/kg	0.0050	0.00085	
Toluene	BOH1176	BOH1176-BLK1	ND	mg/kg	0.0050	0.0013	
Total Xylenes	BOH1176	BOH1176-BLK1	ND	mg/kg	0.010	0.0050	
t-Amyl Methyl ether	BOH1176	BOH1176-BLK1	ND	mg/kg	0.0010	0.00026	
t-Butyl alcohol	BOH1176	BOH1176-BLK1	ND	mg/kg	0.20	0.030	
Diisopropyl ether	BOH1176	BOH1176-BLK1	ND	mg/kg	0.0050	0.00052	
Ethanol	BOH1176	BOH1176-BLK1	ND	mg/kg	1.0	0.34	

BC Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0353
Project Number: [none]
Project Manager: John Nordenstam

Reported: 08/29/05 13:59

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Ethyl t-butyl ether	BOH1176	BOH1176-BLK1	ND	mg/kg	0.0010	0.00017	
1,2-Dichloroethane-d4 (Surrogate)	BOH1176	BOH1176-BLK1	104	%	70 - 121	(LCL - UCL)	
Toluene-d8 (Surrogate)	BOH1176	BOH1176-BLK1	97.1	%	81 - 117	(LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BOH1176	BOH1176-BLK1	98.6	%	74 - 121	(LCL - UCL)	



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Notes and Definitions

- V11 The Continuing Calibration Verification (CCV) recovery is not within established control limits.
- S09 The surrogate recovery on the sample for this compound was not within the control limits
- J Estimated value
- A53 Chromatogram not typical of gasoline.
- A01 PQL's and MDL's are raised due to sample dilution.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SEVERN
TRENT

STL

August 29, 2005

STL LOT NUMBER: E5H220206
PO/CONTRACT: 4711TRC005

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

John Nordenstam
TRC
21 Technology Drive
Irvine, CA 92718

Dear John Nordenstam,

This report contains the analytical results for the eight samples received under chain of custody by STL Los Angeles on August 22, 2005. These samples are associated with your Former 76 Station 0353 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000032 pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,


Beth Riley
Project Manager

cc: Project File

**SEVERN
TRENT**

**Chain of
Custody Record**

STL-4124 (0901)

Client **TRC**

Address

21 Technology Dr.

City

Irvine

State

CA

Zip Code

92618

Project Name and Location (State)

**Former 76 Station 0353
Contract/Purchase Order/Quote No.
20-0948-06**

Project Manager

John Nordenstam

Telephone Number (Area Code)/Fax Number

949-753-0101 / 949-753-0111

Site Contact

Lab Contact

John Nordenstam

Beth Riley

Date

8/22/05

Lab Number

ES14220206

Page

1

or

1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix	Containers & Preservatives
SG-1 @ 15.0'	8/22/05	0949	X	AgNO ₃ H ₂ SO ₄ Upper Soil Seal Aqueous NaOH ZnAc HCl HNO ₃
SG-2 @ 15.0'	8/22/05	1024	X	
SG-3 @ 15.0'	8/22/05	0939	X	
SG-4 @ 15.0'	8/22/05	0926	X	
SG-1 @ 20.0'	8/22/05	1001	X	
SG-1 @ 25.0'	8/22/05	1013	X	
SG-2 @ 20.0'	8/22/05	1634	X	
SG-2 @ 25.0'	8/22/05	1649	X	

Analysis (Attach list if more space is needed)
**Fuel Oxy's =
MTBE, DiPE, TAME,
ETBE, TBA**

Special Instructions/
Conditions of Receipt

Possible Hazard Identification

Non-Hazard Flammable

Skin Irritant Poison B

Unknown Return To Client

Disposal By Lab

Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

AC Requirements (Specify)

Normal

1. Received By **John Shampeney**

2. Received By **John Shampeney**

3. Received By

Date _____

Time _____

DISTRIBUTION: **WHITE** Returned to Client with Report; **CANARY** - Stays with the Sample; **PINK** - Field Copy

000002

SEVERN
TRENT

STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 20-0948-06

Former 76 Station 0353

Lot #: ESH220206

John Nordenstam

TRC

SEVERN TRENT LABORATORIES, INC.

**Beth Riley
Project Manager**

August 26, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5H220206

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
SG-1@15.0 08/22/05 09:49 001				
TPH (as Gasoline)	2.0	1.0	ppm(v/v)	EPA-19 TO-3
tert-Butyl alcohol	0.013	0.010	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	0.0054	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	0.010	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	0.029	0.0020	ppm(v/v)	EPA-21 TO-14A
SG-2@15.0 08/22/05 10:24 002				
TPH (as Gasoline)	1.7	1.0	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	0.0091	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	0.020	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	0.047	0.0020	ppm(v/v)	EPA-21 TO-14A
SG-3@15.0 08/22/05 09:38 003				
TPH (as Gasoline)	2.1	1.0	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	0.0077	0.0020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	0.0020	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	0.014	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	0.039	0.0020	ppm(v/v)	EPA-21 TO-14A
SG-4@15.0 08/22/05 09:26 004				
TPH (as Gasoline)	1.9	1.0	ppm(v/v)	EPA-19 TO-3
Benzene	0.0021	0.0020	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	0.0059	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	0.021	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	0.024	0.0020	ppm(v/v)	EPA-21 TO-14A
SG-1@20.0 08/22/05 10:01 005				
TPH (as Gasoline)	2.3	1.0	ppm(v/v)	EPA-19 TO-3
Benzene	0.0020	0.0020	ppm(v/v)	EPA-21 TO-14A
tert-Butyl alcohol	0.015	0.010	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	0.0041	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	0.0090	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	0.021	0.0020	ppm(v/v)	EPA-21 TO-14A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

ESH220206

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SG-1@25.0 08/22/05 10:13 006				
TPH (as Gasoline)	1.9	1.0	ppm(v/v)	EPA-19 TO-3
tert-Butyl alcohol	0.022	0.010	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	0.0038	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	0.011	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	0.018	0.0020	ppm(v/v)	EPA-21 TO-14A
SG-2@20.0 08/22/05 10:34 007				
TPH (as Gasoline)	2.0	1.0	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	0.013	0.0020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	0.0064	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	0.018	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	0.069	0.0020	ppm(v/v)	EPA-21 TO-14A
SG-2@25.0 08/22/05 10:49 008				
TPH (as Gasoline)	2.2	1.0	ppm(v/v)	EPA-19 TO-3
Ethylbenzene	0.012	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	0.019	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	0.063	0.0020	ppm(v/v)	EPA-21 TO-14A

METHODS SUMMARY

E5H220206

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
TPH by TO-3	EPA-19 TO-3	
Volatile Organics by TO-14A	EPA-21 TO-14A	

References:

- EPA-19 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA/600/4-89/017, January 1988
- EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5H220206

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HH199	001	SG-1@15.0	08/22/05	09:49
HH2AC	002	SG-2@15.0	08/22/05	10:24
HH2AD	003	SG-3@15.0	08/22/05	09:38
HH2AE	004	SG-4@15.0	08/22/05	09:26
HH2AF	005	SG-1@20.0	08/22/05	10:01
HH2AG	006	SG-1@25.0	08/22/05	10:13
HH2AH	007	SG-2@20.0	08/22/05	10:34
HH2AJ	008	SG-2@25.0	08/22/05	10:49

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TRC

Client Sample ID: SG-1@15.0

GC/MS Volatiles

Lot-Sample #....: E5H220206-001 Work Order #....: HH1991AC Matrix.....: V
Date Sampled....: 08/22/05 09:49 Date Received...: 08/22/05 12:41 MS Run #.....:
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #....: 5237539 Analysis Time...: 16:01
Dilution Factor: 1
Analyst ID.....: 101605 Instrument ID...: MSB
Method.....: EPA-21 TO-14A

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Benzene	ND	0.0020	ppm(v/v)	0.00080
tert-Butyl alcohol	0.013	0.010	ppm(v/v)	0.0020
Diisopropyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	0.00020
Ethylbenzene	0.0054	0.0020	ppm(v/v)	0.00050
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	0.00050
Toluene	0.010	0.0050	ppm(v/v)	0.00050
Xylenes (total)	0.029	0.0020	ppm(v/v)	0.0010

TRC

Client Sample ID: SG-1@15.0

GC Volatiles

Lot-Sample #....: E5H220206-001 Work Order #....: HH1991AA Matrix.....: V
Date Sampled....: 08/22/05 09:49 Date Received...: 08/22/05 12:41 MS Run #.....:
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #....: 5236399 Analysis Time...: 13:55
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC7
Method.....: EPA-19 TO-3

REPORTING				
PARAMETER	RESULT	LIMIT	UNITS	MDL
TPH (as Gasoline)	2.0	1.0	ppm(v/v)	0.30

NOTE(S) :

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

11

Client Sample ID: SG-2@15.0

GC/MS Volatiles

Lot-Sample #....: E5H220206-002 Work Order #....: HH2AC1AC Matrix.....: V
Date Sampled...: 08/22/05 10:24 Date Received...: 08/22/05 12:41 MS Run #.....:
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #...: 5237539 Analysis Time...: 16:33
Dilution Factor: 1
Analyst ID.....: 101605 Instrument ID...: MSB
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.0020	ppm(v/v)	0.00080
tert-Butyl alcohol	ND	0.010	ppm(v/v)	0.0020
Diisopropyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	0.00020
Ethylbenzene	0.0091	0.0020	ppm(v/v)	0.00050
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	0.00050
Toluene	0.020	0.0050	ppm(v/v)	0.00050
Xylenes (total)	0.047	0.0020	ppm(v/v)	0.0010

TRC

Client Sample ID: SG-2@15.0

GC Volatiles

Lot-Sample #....: E5H220206-002 Work Order #....: HH2AC1AA Matrix.....: V
Date Sampled....: 08/22/05 10:24 Date Received...: 08/22/05 12:41 MS Run #.....:
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #....: 5236399 Analysis Time...: 14:15
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC7
Method.....: EPA-19 TO-3

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
TPH (as Gasoline)	1.7	1.0	ppm(v/v)	0.30

NOTE(S) :

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: SG-3@15.0

GC/MS Volatiles

Lot-Sample #....: E5H220206-003 Work Order #....: HH2AD1AC Matrix.....: V
Date Sampled...: 08/22/05 09:38 Date Received..: 08/22/05 12:41 MS Run #.....:
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #....: 5237539 Analysis Time...: 17:06
Dilution Factor: 1
Analyst ID.....: 101605 Instrument ID...: MSB
Method.....: EPA-21 TO-14A

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Benzene	ND	0.0020	ppm(v/v)	0.00080
tert-Butyl alcohol	ND	0.010	ppm(v/v)	0.0020
Diisopropyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	0.00020
Ethylbenzene	0.0077	0.0020	ppm(v/v)	0.00050
Methyl tert-butyl ether (MTBE)	0.0020	0.0020	ppm(v/v)	0.00050
Toluene	0.014	0.0050	ppm(v/v)	0.00050
Xylenes (total)	0.039	0.0020	ppm(v/v)	0.0010

TRC

Client Sample ID: SG-3@15.0

GC Volatiles

Lot-Sample #....: E5H220206-003 Work Order #....: HH2AD1AA Matrix.....: V
Date Sampled...: 08/22/05 09:38 Date Received..: 08/22/05 12:41 MS Run #.....:
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #....: 5236399 Analysis Time...: 14:36
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC7
Method.....: EPA-19 TO-3

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
TPH (as Gasoline)	2.1	1.0	ppm(v/v)	0.30

NOTE(S) :

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: SG-4@15.0

GC/MS Volatiles

Lot-Sample #....: E5H220206-004 Work Order #....: HH2AE1AC Matrix.....: V
 Date Sampled...: 08/22/05 09:26 Date Received...: 08/22/05 12:41 MS Run #.....:
 Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
 Prep Batch #....: 5237539 Analysis Time...: 17:44
 Dilution Factor: 1
 Analyst ID.....: 101605 Instrument ID...: MSB
 Method.....: EPA-21 TO-14A

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Benzene	0.0021	0.0020	ppm(v/v)	0.00080
tert-Butyl alcohol	ND	0.010	ppm(v/v)	0.0020
Diisopropyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	0.00020
Ethylbenzene	0.0059	0.0020	ppm(v/v)	0.00050
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	0.00050
Toluene	0.021	0.0050	ppm(v/v)	0.00050
Xylenes (total)	0.024	0.0020	ppm(v/v)	0.0010

TRC

Client Sample ID: SG-4@15.0

GC Volatiles

Lot-Sample #....: E5H220206-004 Work Order #....: HH2AE1AA Matrix.....: V
Date Sampled...: 08/22/05 09:26 Date Received...: 08/22/05 12:41 MS Run #.....:
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #....: 5236399 Analysis Time...: 14:57
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC7
Method.....: EPA-19 TO-3

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
TPH (as Gasoline)	1.9	1.0	ppm(v/v)	0.30

NOTE(S):

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: SG-1@20.0

GC/MS Volatiles

Lot-Sample #....: E5H220206-005 Work Order #....: HH2AF1AC Matrix.....: V
 Date Sampled...: 08/22/05 10:01 Date Received...: 08/22/05 12:41 MS Run #.....:
 Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
 Prep Batch #....: 5237539 Analysis Time...: 18:21
 Dilution Factor: 1
 Analyst ID.....: 101605 Instrument ID...: MSB
 Method.....: EPA-21 TO-14A

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Benzene	0.0020	0.0020	ppm(v/v)	0.00080
tert-Butyl alcohol	0.015	0.010	ppm(v/v)	0.0020
Diisopropyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	0.00020
Ethylbenzene	0.0041	0.0020	ppm(v/v)	0.00050
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	0.00050
Toluene	0.0090	0.0050	ppm(v/v)	0.00050
Xylenes (total)	0.021	0.0020	ppm(v/v)	0.0010

TRC

Client Sample ID: SG-1@20.0

GC Volatiles

Lot-Sample #....: E5H220206-005 Work Order #....: HH2AF1AA Matrix.....: V
Date Sampled....: 08/22/05 10:01 Date Received...: 08/22/05 12:41 MS Run #.....:
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #....: 5236399 Analysis Time...: 15:18
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC7
Method.....: EPA-19 TO-3

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
TPH (as Gasoline)	2.3	1.0	ppm(v/v)	0.30

NOTE(S) :

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: SG-1@25.0

GC/MS Volatiles

Lot-Sample #....: E5H220206-006 Work Order #....: HH2AG1AC Matrix.....: V
Date Sampled....: 08/22/05 10:13 Date Received...: 08/22/05 12:41 MS Run #....:
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #....: 5237539 Analysis Time...: 18:58
Dilution Factor: 1
Analyst ID.....: 101605 Instrument ID.: MSS
Method.....: EPA-21 TO-14A

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Benzene	ND	0.0020	ppm(v/v)	0.00080
tert-Butyl alcohol	0.022	0.010	ppm(v/v)	0.0020
Diisopropyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	0.00020
Ethylbenzene	0.0038	0.0020	ppm(v/v)	0.00050
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	0.00050
Toluene	0.011	0.0050	ppm(v/v)	0.00050
Xylenes (total)	0.018	0.0020	ppm(v/v)	0.0010

TRC

Client Sample ID: SG-1@25.0

GC Volatiles

Lot-Sample #....: E5H220206-006 Work Order #....: HH2AG1AA Matrix.....: V
Date Sampled...: 08/22/05 10:13 Date Received...: 08/22/05 12:41 MS Run #.....:
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #....: 5236399 Analysis Time...: 15:38
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC7
Method.....: EPA-19 TO-3

REPORTING				
PARAMETER	RESULT	LIMIT	UNITS	MDL
TPH (as Gasoline)	1.9	1.0	ppm(v/v)	0.30

NOTE(S) :

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: SG-2@20.0

GC/MS Volatiles

Lot-Sample #....: E5H220206-007 Work Order #....: HH2AH1AC Matrix.....: V
 Date Sampled...: 08/22/05 10:34 Date Received...: 08/22/05 12:41 MS Run #.....:
 Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
 Prep Batch #....: 5237539 Analysis Time...: 19:35
 Dilution Factor: 1
 Analyst ID.....: 101605 Instrument ID...: MSB
 Method.....: EPA-21 TO-14A

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Benzene	ND	0.0020	ppm(v/v)	0.00080
tert-Butyl alcohol	ND	0.010	ppm(v/v)	0.0020
Diisopropyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	0.00020
Ethylbenzene	0.013	0.0020	ppm(v/v)	0.00050
Methyl tert-butyl ether (MTBE)	0.0064	0.0020	ppm(v/v)	0.00050
Toluene	0.018	0.0050	ppm(v/v)	0.00050
Xylenes (total)	0.069	0.0020	ppm(v/v)	0.0010

TRC

Client Sample ID: SG-2@20.0

GC Volatiles

Lot-Sample #....: E5H220206-007 Work Order #....: HH2AH1AA Matrix.....: V
Date Sampled...: 08/22/05 10:34 Date Received..: 08/22/05 12:41 MS Run #.....:
Prep Date.....: 08/23/05 Analysis Date..: 08/23/05
Prep Batch #....: 5236399 Analysis Time...: 15:59
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC7
Method.....: EPA-19 TO-3

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
TPH (as Gasoline)	2.0	1.0	ppm(v/v)	0.30

NOTE(S) :

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

TRC

Client Sample ID: SG-2@25.0

GC/MS Volatiles

Lot-Sample #....: E5H220206-008 Work Order #....: HH2AJ1AC Matrix.....: V
Date Sampled...: 08/22/05 10:49 Date Received..: 08/22/05 12:41 MS Run #.....:
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #....: 5237539 Analysis Time...: 20:12
Dilution Factor: 1
Analyst ID.....: 101605 Instrument ID...: MSB
Method.....: EPA-21 TO-14A

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Benzene	ND	0.0020	ppm(v/v)	0.00080
tert-Butyl alcohol	ND	0.010	ppm(v/v)	0.0020
Diisopropyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	0.00040
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	0.00020
Ethylbenzene	0.012	0.0020	ppm(v/v)	0.00050
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	0.00050
Toluene	0.019	0.0050	ppm(v/v)	0.00050
Xylenes (total)	0.063	0.0020	ppm(v/v)	0.0010

TRC

Client Sample ID: SG-2@25.0

GC Volatiles

Lot-Sample #....: E5H220206-008 Work Order #....: HH2AJ1AA Matrix.....: V
Date Sampled....: 08/22/05 10:49 Date Received...: 08/22/05 12:41 MS Run #.....:
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #....: 5236399 Analysis Time...: 16:20
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC7
Method.....: EPA-19 TO-3

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
TPH (as Gasoline)	2.2	1.0	ppm(v/v)	0.30

NOTE(S) :

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

**SEVERN
TRENT**

STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5H220206

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	V	EPA-19 TO-3		5236399	
	V	EPA-21 TO-14A		5237539	
002	V	EPA-19 TO-3		5236399	
	V	EPA-21 TO-14A		5237539	
003	V	EPA-19 TO-3		5236399	
	V	EPA-21 TO-14A		5237539	
004	V	EPA-19 TO-3		5236399	
	V	EPA-21 TO-14A		5237539	
005	V	EPA-19 TO-3		5236399	
	V	EPA-21 TO-14A		5237539	
006	V	EPA-19 TO-3		5236399	
	V	EPA-21 TO-14A		5237539	
007	V	EPA-19 TO-3		5236399	
	V	EPA-21 TO-14A		5237539	
008	V	EPA-19 TO-3		5236399	
	V	EPA-21 TO-14A		5237539	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E5H220206
MB Lot-Sample #: M5H250000-539
Analysis Date...: 08/23/05
Dilution Factor: 1

Work Order #....: HH95C1AA
Prep Date.....: 08/23/05
Prep Batch #: 5237539
Analyst ID.....: 101605

Matrix.....: AIR
Analysis Time..: 11:38
Instrument ID..: MSB

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	METHOD
Benzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
tert-Butyl alcohol	ND	0.010	ppm(v/v)	EPA-21 TO-14A
Diisopropyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Tert-butyl ethyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	ND	0.0050	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: E5H220206
MB Lot-Sample #: M5H240000-399
Analysis Date...: 08/23/05
Dilution Factor: 1

Work Order #....: HH6J11AA
Prep Date.....: 08/23/05
Prep Batch #:....: 5236399
Analyst ID.....: 402431

Matrix.....: AIR
Analysis Time..: 09:46
Instrument ID..: GC7

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
TPH (as Gasoline)	ND	1.0	ppm(v/v)	EPA-19 TO-3

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E5H220206 Work Order #....: HH95C1AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5H250000-539 HH95C1AD-LCSD
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #:....: 5237539 Analysis Time...: 10:24
Dilution Factor: 1 Instrument ID...: MSB
Analyst ID.....: 101605

PARAMETER	PERCENT	RECOVERY	RPD	METHOD
	RECOVERY	LIMITS	RPD	
Toluene	99	(75 - 125)		EPA-21 TO-14A
	99	(75 - 125)	0.12	(0-20) EPA-21 TO-14A

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

PARAMETER	SPIKE	MEASURED	PERCENT		METHOD	
	AMOUNT	AMOUNT	UNITS	RECOVERY		
Toluene	0.0500	0.0497	ppm(v/v)	99	EPA-21 TO-14A	
	0.0500	0.0497	ppm(v/v)	99	0.12	EPA-21 TO-14A

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: E5H220206 Work Order #....: HH6J11AC-LCS Matrix.....: AIR
LCS Lot-Sample#: M5H240000-399 HH6J11AD-LCSD
Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
Prep Batch #:....: 5236399 Analysis Time...: 07:55
Dilution Factor: 1 Instrument ID...: GC7
Analyst ID.....: 402431

PARAMETER	PERCENT	RECOVERY	RPD	METHOD
	RECOVERY	LIMITS	RPD	
TPH (as Gasoline)	99	(75 - 125)		EPA-19 TO-3
	98	(75 - 125)	0.69 (0-20)	EPA-19 TO-3

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E5H220206 Work Order #...: HH6J11AC-LCS Matrix.....: AIR
 LCS Lot-Sample#: M5H240000-399 HH6J11AD-LCSD
 Prep Date.....: 08/23/05 Analysis Date...: 08/23/05
 Prep Batch #:...: 5236399 Analysis Time...: 07:55
 Dilution Factor: 1 Instrument ID...: GC7
 Analyst ID.....: 402431

PARAMETER	SPIKE	MEASURED		PERCENT		METHOD
	AMOUNT	AMOUNT	UNITS	RECOVERY	RPD	
TPH (as Gasoline)	10.3	10.2	ppm(v/v)	99		EPA-19 TO-3
	10.3	10.1	ppm(v/v)	98	0.69	EPA-19 TO-3

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Additional Site Assessment Report

Former 76 Station 0353

December 23, 2005

APPENDIX C

MANIFESTS

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAL000134105	Manifest Document No. 1.3.0.7.8	2. Page 1 of 1
GENERATOR	3. Generator's Name and Mailing Address CONOCO PHILLIPS/KAYO ATTN: MARY BODDEN 600 N. DAIRY ASHFORD-TR 1010A HOUSTON, TX 77079			
	4. Generator's Phone (281) 293-5647			
	5. Transporter 1 Company Name Filter Recycling Services, Inc.	6. US EPA ID Number C A D 9. 8. 2. 4. 4. 4. 4. 8. 1	A. Transporter's Phone (909) 873-4141	
	7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone	
	9. Designated Facility Name and Site Address Filter Recycling Services, Inc. 180 W. Monte Avenue Rialto, CA 92316	10. US EPA ID Number C A D 9. 8. 2. 4. 4. 4. 4. 8. 1	C. Facility's Phone (909) 421-2012	
11. Waste Shipping Name and Description a. Non-Hazardous waste solid (soil)	12. Containers No. 001	13. Total Quantity C-N 00015 Y	14. Unit Wt/Vol	
b.	.	.	.	
c.	.	.	.	
d.	.	.	.	
D. Additional Descriptions for Materials Listed Above 11a) Soil Bind 1601	PROFILE# 01062536	E. Handling Codes for Wastes Listed Above 01		
15. Special Handling Instructions and Additional Information Wear appropriate protective clothing 24 Hour Emergency Response # (909) 721-2038	Conoco Phillips #0353 200 S Central Ave Glendale, CA TRC			
WT 5478 8.08 T				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name MARY BODDEN OBO CONOCO PHILLIPS	Signature Karen Bodden	Month Day Year 10.81.7B5		
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name Jake Wetherlin	Signature Jake Wetherlin	Month Day Year 10.81.7B5		
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name	Signature	Month Day Year		
19. Discrepancy indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Steve Masters	Signature Steve Masters	Month Day Year 10.81.805		

ORIGINAL - RETURN TO GENERATOR

949-753-0001

14245478

TICKET NUMBER



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- (2) A representative of CAT Scale Company will appear in court WITH the driver as an expert witness if we believe our scale was correct.

IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

- 1) Post bond and request a court date.
- 2) Call CAT Scale direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
- 3) IMMEDIATELY send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale, Attn: Operations Manager.

The four weights shown below are separate weights. The TOTAL WEIGHT was weighed on a full length platform scale. AXLE WEIGHTS CANNOT BE CERTIFIED and are NOT LEGAL FOR TRADE, however, CAT SCALE COMPANY GUARANTEES THESE WEIGHTS TO BE CORRECT.

DATE:	STEER AXLE	14360	1 Lb.
	DRIVE AXLE	24420	1 Lb.
SCALE	TRAILER AXLE	00	1 Lb.
14245478	TOTAL AXLE	43180	1 Lb.
LOCATION:			

WARNING !

THIS FORM IS NOT A CALIFORNIA WEIGHMASTER CERTIFICATE AND IS NOT LEGAL FOR TRADE IN THE STATE OF CALIFORNIA.

FREIGHT ALL KINDS

COMMODITY OR ARTICLE WEIGHED

COMPANY FILTERD RECYCLING

TRACTOR # 56148 N/A TRAILER #

WEIGH NUMBER
5478

FEE \$.00

WEIGHER SIGNATURE

FERNANDA HERPERA

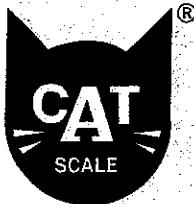
FULL WEIGH
TICKET # _____
(IF REWEIGH)

* CAT SCALE COMPANY® CAL 05/05

CUSTOMER COPY

14245479

TICKET NUMBER



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A21

14245479

DATE:
8-17-2005
SCALE: 1005
LOCATION: I-10 TRUCKSTOP
195 EAST VALLEY BLVD
RIALTO, CA 92376

The four weights shown below are separate weights. The TOTAL WEIGHT was weighed on a full length platform scale. AXLE WEIGHTS CANNOT BE CERTIFIED and are NOT LEGAL FOR TRADE, however, CAT SCALE COMPANY GUARANTEES THESE WEIGHTS TO BE CORRECT.

STEER AXLE	11500	LB
DRIVE AXLE	15520	LB
TRAILER AXLE	00	LB
TOTAL AXLE	27020	LB

LT

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COMMODITY OR ARTICLE WEIGHED

FREIGHT ALL KINDS

COMPANY FILTERC RECYCLING

TRACTOR # 58148 TRAILER # N/A

WEIGH NUMBER
5478

FEES 1.00

WEIGHER SIGNATURE

FERNANDA HERRERA

FULL WEIGH
TICKET # 14245479
(IF REWEIGH)

© CAT SCALE COMPANY® CAL 05/05

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**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No. CAL000139105	Manifest Document No. 1-3-2-0-0	2. Page 1 of 1
---	---	----------------

3. Generator's Name and Mailing Address
CONOCO PHILLIPS/KAYO ATTN: MARY BODDEN
600 N. DAIRY ASHFORD-TR 1010A
HOUSTON, TX 77079
Generator's Phone (281) 293-5647

4. Transporter 1 Company Name
Filter Recycling Services, Inc. 6. US EPA ID Number
C A D 9-8-2-4-4-4-4-8-1

7. Transporter 2 Company Name
..... 8. US EPA ID Number
.....

9. Designated Facility Name and Site Address
Filter Recycling Services, Inc. 10. US EPA ID Number
180 W. Monte Avenue
Rialto, CA 92316 **C A D 9. 8. 2. 4. 4. 4. 4. 8. 1**

A. Transporter's Phone
(909) 873-4141

B. Transporter's Phone
.....

C. Facility's Phone
(909) 421-2012

11. Waste Shipping Name and Description

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
--------------------	------	--------------------	-----------------

a. Non-Hazardous waste solid (soil)

00 | C-M **000-13** Y

b.

.....

c.

.....

d.

.....

D. Additional Descriptions for Materials Listed Above
11a) Soil

PROFILE# 01062536

E. Handling Codes for Wastes Listed Above

01

15. Special Handling Instructions and Additional Information

Wear appropriate protective clothing
24 Hour Emergency Response # (909) 721-2038 Conoco Phillips #0353
200 S Central Ave
Glendale, CA
TRC

WT# 5734 11-16-05

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name **JAKE WIRTHLIN** Signature **Jake Wirthlin** Month Day Year **08/23/05**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name **JAKE WIRTHLIN** Signature **Jake Wirthlin** Month Day Year **08/23/05**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name **.....** Signature **.....** Month Day Year **.....**

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.

Printed/Typed Name **STEVEN MASTERS** Signature **.....** Month Day Year **08/23/05**

ORIGINAL - RETURN TO GENERATOR

949-753-0011

14245735

TICKET NUMBER



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- (2) A representative of CAT Scale Company will appear in court WITH the driver as an expert witness if we believe our scale was correct.

IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

- 1) Post bond and request a court date.
- 2) Call CAT Scale direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale, Attn: Operations Manager.

The four weights shown below are separate weights. The **TOTAL WEIGHT** was weighed on a full length platform scale. **AXLE WEIGHTS CANNOT BE CERTIFIED** and are **NOT LEGAL FOR TRADE**, however, **CAT SCALE COMPANY GUARANTEES THESE WEIGHTS TO BE CORRECT**.

DATE:	STEER AXLE	1 1260	1 b
	DRIVE AXLE	1 4800	1 b
SCALE 14245735	TRAILER AXLE	00	1 b
LOCATION: 1005 110 TRUCKSTOP 175 EAST VALLEY BLVD RIALTO, CA 92376	TOTAL AXLE	27560	1 b

WARNING !

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COMMODITY OR ARTICLE WEIGHED	FREIGHT ALL KINDS		
COMPANY	TRACTOR #	TRAILER #	NO
FILT ER RECYCLING	55142		
FEE	WEIGHER SIGNATURE	FULL WEIGH TICKET #	
1.00	STACEY HAIRREL	(IF REWEIGH)	

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CUSTOMER COPY

WEIGH NUMBER
5734

BIN# 2026

SOU

CONOCO
#0353

14245734

TICKET NUMBER



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If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

- (1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
- (2) A representative of CAT Scale Company will appear in court WITH the driver as an expert witness if we believe our scale was correct.

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- 1) Post bond and request a court date.
- 2) Call CAT Scale direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
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DATE:	STEER AXLE	15300	LB
	DRIVE AXLE	35640	LB
456 SCALE 14245734	TRAILER AXLE	00	LB
LOCATION: 1005 I 10 TRUCKSTOP 175 EAST VALLEY BLVD RIALTO, CA 92376	TOTAL AXLE	50940	LB

2026

13200
CONOCO #
0353

WARNING !

THIS FORM IS NOT A CALIFORNIA WEIGHMASTER CERTIFICATE AND IS NOT LEGAL FOR TRADE IN THE STATE OF CALIFORNIA.

FREIGHT ALL KINDS

COMMODITY OR ARTICLE WEIGHED	COMPANY	PILOT ER RECYCLING	TRACTOR #	55142	TRAILER #	NA
------------------------------	---------	--------------------	-----------	-------	-----------	----

WEIGH NUMBER

5734

FEE

6.00

WEIGHER SIGNATURE

STACEY HATRELL

FULL WEIGH
TICKET #
(IF REWEIGH)

MER COPY

[®] CAT SCALE COMPANY[®] CAL 05/05

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C-A-L-000-134105	Manifest Document No. 1. 3. 2. 2. 0	2. Page 1 of 1			
G E N E R A T O R	3. Generator's Name and Mailing Address CONOCO PHILLIPS/KAYO ATTN: MARY BODDEN 600 N. DAIRY ASHFORD-TR 1010A HOUSTON, TX 77079						
	4. Generator's Phone (281) 293-5647						
	5. Transporter 1 Company Name Filter Recycling Services, Inc.		6. US EPA ID Number C-A-D 9-8-2-4-4-4-4-8-1	A. Transporter's Phone (909) 873-4141			
	7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone			
	9. Designated Facility Name and Site Address Filter Recycling Services, Inc. 180 W. Monte Avenue Rialto, CA 92316		10. US EPA ID Number C. A. D. 9. 8. 2. 4. 4. 4. 4. 8. 1	C. Facility's Phone (909) 421-2012			
	11. Waste Shipping Name and Description a. Non-Hazardous waste solid				12. Containers No.	13. Total Quantity	
					D. M.	P.	
	b. Non-Hazardous waste liquid				0.1.0	D. M. 00.500 G	
	c.				
	d.				
	D. Additional Descriptions for Materials Listed Above 11a) soil Profile 01062536 11b) water Profile 01062537				E. Handling Codes for Wastes Listed Above 01		
	15. Special Handling Instructions and Additional Information 24 Hour Emergency Service 909-721-2038 WEAR APPROPRIATE PROTECTIVE EQUIPMENT				Conoco Phillips/Kayo Oil #0353 200 S. Central Ave Glendale, CA TRC		
	T R A N S P O R T E R	16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
		Printed/Typed Name Sosthene Clark		Signature 		Month Day Year 08/24/05	
		17. Transporter 1 Acknowledgement of Receipt of Materials		Signature 		Month Day Year 08/24/05	
	F A C I L I T Y	Printed/Typed Name Sosthene Clark		Signature 		Month Day Year 08/24/05	
		18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
	19. Discrepancy Indication Space						
	20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name Stean Masters		Signature 		Month Day Year 10/02/05			

ORIGINAL - RETURN TO GENERATOR

949 753 061

